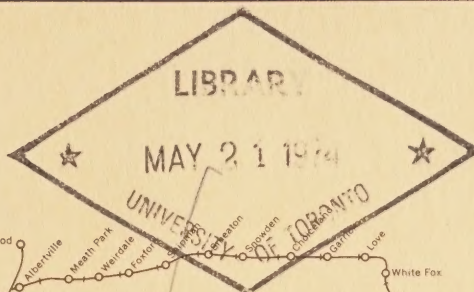


# THE MELFORT-WAKAW REGION OF SASKATCHEWAN

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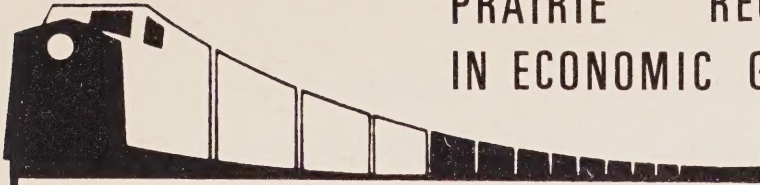
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PRAIRIE REGIONAL STUDIES  
IN ECONOMIC GEOGRAPHY No. 12



12  
**THE MELFORT-WAKAW REGION  
OF SASKATCHEWAN**

H.R. FAST, D.A. NEIL  
ECONOMICS BRANCH  
AGRICULTURE CANADA  
REGINA , SASKATCHEWAN

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## PREFACE

Bill C-120 was given first reading in the House of Commons on September 14, 1964. This was the first attempt to implement the recommendations of the MacPherson Royal Commission on Transportation. It never became law as the Twenty-sixth Parliament was dissolved before the bill passed through the Commons. That bill would have established the Branch Line Rationalization Authority, responsible to the Minister of Agriculture.

Bill C-231, which succeeded Bill C-120, was given first reading on August 29, 1966 and subsequently became what is now in the statutes as the National Transportation Act, R.S.C. 1970 Ch. N-17. This bill established the Canadian Transport Commission, comprising several committees, including the Railway Transport Committee. This latter committee was allocated the responsibilities which would have been given to the Branch Line Rationalization Authority. The Railway Transport Committee is responsible through the Canadian Transport Commission to the Minister of Transport. Accordingly the Minister of Agriculture now has no direct authority in the field of branch line abandonment. However, because of the responsibilities of the Canadian Grain Commission in regulating the grain warehouse industry, the Minister of Agriculture has a direct interest in the impact of branch line rationalization on this railway-related industry. He also is concerned, of course, with the effects of such changes on the welfare of western grain producers.

Prairie Regional Studies in Economic Geography had their origin in work carried out by Mr. J.W. Channon for the Minister of Agriculture, beginning in February 1964. Later that year Mr. A.W. Burges began a study of the prairie branch line network for the Geographical Branch, Department of Mines and Technical Surveys. It seemed logical and economical to merge the two. This was done and the Riverhurst report became No. 1 in the series of Prairie Regional Studies. Following the dissolution of the Geographical Branch in 1967, the project was wholly transferred to the Canada Department of Agriculture and work continued under the direction of Mr. Channon. The present report on the Melfort-Wakaw region of Saskatchewan is No. 12 in this series.

The area designated as the Melfort-Wakaw region of Saskatchewan comprises 75 grain delivery points. These are first listed in Table 1.1 and again in subsequent tables as required. The factors given consideration when delineating a study region for purposes of this series include the following: (1) that the region must be a manageable size; (2) that the region must encompass one or more problem areas with regard to grain marketing; (3) that an attempt is made to draw a line around the region such that communities outside the region are not affected by the rationalization hypothesized in the study in terms of grain delivery patterns, i.e., if

possible no community is to be in more than one study region; and (4) that the region and the problem areas are to be based on the railway network and country elevators existing at the time of delineation.

As noted in the previous reports, the emphasis is on grain farms and the communities and facilities serving these farms. The tabular data and their accompanying text, figures and maps describe the socio-economic activity of the region. It is hoped that this information will enable the reader to gain an appreciation of the relative importance of the farms and communities in the Melfort-Wakaw region, and having done this be in a better position to assess the impact of proposed programs and contemplated changes in the infrastructure of the region.

It is readily admitted that the data contained in this report do not constitute an exhaustive coverage of all the parameters. The material being presented is intended to help those individuals and firms affected by changes to understand the rationale of any changes in grain collection and distribution, some of which have been under way for some years. Undoubtedly this will intensify over the next few years as inflationary pressures work on the cost structures of the grain production industry, the elevator industry and the railways.

This report is organized into five major parts, the first being a description of the communities themselves. The following community attributes are described: available services, population, school enrolment, postal activity, property tax assessment and transportation services. The second part describes some grain production characteristics of the region including soils, meteorological data, land values, land use, crop yields, protein content, and farm sizes and tenure. Descriptive material contained in the third part focuses on the grain marketing and handling system as it relates to the delivery points. Among other things, this includes data on the number and capacity of grain elevators, number of permit holders, grain elevator receipts, quota base, grain prices and farm to elevator grain hauling activity.

Part IV attempts to show what changes might be expected if some of the delivery points closed. It is a hypothetical exercise in which the hinterlands of certain delivery points assumed closed are diverted and added to neighboring delivery point hinterlands. Estimates are made of acreages, bushels and number of permit holders gained by delivery points remaining open and of increased hinterland size and hauling distances.

Finally, the last part briefly describes some of the activities of the three main regulatory bodies regulating the grain industry in Canada. These are the Canadian Grain Commission, the Canadian Wheat Board and the Canadian Transport Commission. For added perspective a chronology of grain-oriented legislation and events is appended.



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## PART I

### COMMUNITY CHARACTERISTICS

#### Classification of Communities

For purposes of this study, the method of community classification is based on a modification of the system used by the Saskatchewan Royal Commission on Agriculture and Rural Life in their Report No. 12 entitled "Service Centers". The criterion used for classifying and ranking communities in the present study was the number of service activities present. Communities were classified by number of services into five categories: "too small to classify", 0-2 services; hamlets, 3-10 services; villages, 11-35 services; towns, 36-75 services; and greater towns, 76 or more services. If two or more communities had an equal number of services, they were then ranked by population.

This method of ranking is not perfect. For instance, it ignores dollar volume of retail sales in each community and it does not take into account the quality of service activities present. It appears, however, to be more meaningful than simply to rank by population.

Table 1.1 lists the communities in ascending order of rank. There were 18 communities "too small to classify", 16 hamlets, 23 villages, 13 towns and 5 greater towns. The number of services in each community, as shown in Tables 1.2A and 1.2B, served as the basis for the service classification and the initial ranking within each class. Where information was available, 1970 population estimates and preliminary 1971 population figures were used to rank by population (Table 1.4).

The type and number of services shown for each delivery point other than grain elevators may not be completely accurate. This information was gleaned from a visual field survey supplemented by telephone directories and other data on grain elevators, post offices, schools, railway stations, bus depots, and so forth. It is possible that some services were overlooked such as a door-to-door salesman or a beauty parlour in the basement of a private home. Sometimes it was difficult to know whether a particular business or meeting hall was in regular use or whether it was abandoned.

As a working definition of "service" with respect to grain elevators, the following criterion was used. The number of grain elevator companies actively receiving grain from producers either on a part or full-time basis during the 1969-70 crop year were counted. This means that the mere presence of a licensed elevator facility was not counted as a service if it was only used for storage. Furthermore, in those instances where an elevator company had more than one elevator at a particular delivery point, it was still considered to be just one service.

Figure 1.1 shows the classification of communities and their geographic location in the Melfort-Wakaw study region.

At the 18 delivery points "too small to classify", there were only grain elevators to represent a type of service in those communities (Table 1.2A). Of these, 6 were still open with 1 point, Dixon, having 2 services. Four of the elevators had been closed by 1970 or before; the other 8 were closed on July 31, 1971. Closures of these points were effected under a program recently started by the Canadian Wheat Board.

Table 1.2B clearly shows the type and range of services available in communities classified as hamlets or larger. The dominant activity in hamlets is the grain elevator with its associated fertilizer dealership, followed by the small general store, the post office and the service station. The general store and service station often have the same proprietor.

There is a similar pattern of services in villages with the principal additions being a bulk fuel dealer, a hotel, a skating or curling rink, a hall, a church and a school. Eleven of the 23 villages had a railway station, 6 had a bank or credit union and 1 had a doctor. Such services as a bakery, a clothing store, a theatre and a hospital were lacking.

Virtually the entire range of services is displayed in the group of towns and greater towns. While in villages there may be only one establishment representing a particular type of service, in towns there are often two or more similar establishments. Some degree of specialization is also evident. For instance: besides the grocery store, there may be a bakery; and there may be an appliance sales and service store as well as the hardware store. Other specialized services, not included in Table 1.2B, were present in towns and greater towns in the study area. Examples of these are drive-in eating establishments, trailer courts and ambulance services.

TABLE 1.1 CLASSIFICATION OF COMMUNITIES IN THE STUDY AREA<sup>a</sup>

Too Small to Classify 0-2 Services	Hamlets 3-10 Services	Villages 11-35 Services	Towns 36-75 Services	Greater Towns 76 or More Services
1 Burton Lake	19 Daylesford	35 Ethelton	58 Yellow Creek	71 Kinistino
2 Clarkboro	20 Ens	36 Lac Vert	59 St. Louis	72 Birch Hills
3 Rak	21 Lenvale	37 Fulda	60 Aberdeen	73 Wakaw
4 Irvington	22 Naisberry	38 Tway	61 Middle Lake	74 Humboldt
5 Thaxted	23 Whittome	39 Pleasantdale	62 Lake Lenore	75 Melfort
6 Waitville	24 Silver Park	40 Beatty	63 St. Brieux	
7 Mileage 102.2	25 Resource	41 Brooksby	64 Vonda	
8 Tiger Hills	26 Tarnopol	42 Hoey	65 Viscount	
9 Rutan	27 Lipsett	43 Pathlow	66 Star City	
10 Claggett	28 Peterson	44 Elstow	67 Colonsay	
11 Leofnard	29 Moseley	45 Meskanaw	68 Bruno	
12 Totzke	30 Reynaud	46 Pilger	69 Naicam	
13 Clemens	31 Brancepeth	47 Crystal Springs	70 Cudworth	
14 Lepine	32 Hagen	48 Gronlid		
15 Carpenter	33 Smuts	49 Carmel		
16 Fenton	34 Fairy Glen	50 Weldon		
17 Bremen		51 Meacham		
18 Dixon		52 St. Benedict		
		53 Ridgedale		
		54 Prud'homme		
		55 Muenster		
		56 Alvena		
		57 Domremy		

<sup>a</sup>For purposes of cross-reference, see "Alphabetic List of Communities and Rank Number" in the Appendix.

TABLE 1.2A SERVICES PRESENT IN COMMUNITIES TOO SMALL TO CLASSIFY, 1971

Delivery Point	Services (No. of Active Grain Elevator Companies)	
<i>Too Small to Classify (0-2)</i>		
1 Burton Lake	Nil	(Storage only 1956-57 to 1966-67, Closed 1967-68)
2 Clarkboro	Nil	(Storage only 1961-62 to 1967-68, Closed 1968-69)
3 Rak	Nil	(Storage only 1967-68 onward)*
4 Irvington	Nil	(Storage only 1969-70 onward)*
5 Thaxted	Nil	(Storage only 1967-68 onward)*
6 Waitville	Nil	(Storage only 1961-62 to 1967-68, Closed 1968-69)
7 Mileage 102.2	1	
8 Tiger Hills	1*	
9 Rutan	1	
10 Claggett	1*	
11 Leofnard	1*	
12 Totzke	1	
13 Clemens	1*	
14 Lepine	1	
15 Carpenter	1	(Closed July 31, 1970)
16 Fenton	1*	
17 Bremen	1	
18 Dixon	2	

\*Emptied and closed during the 1970-71 crop year.

TABLE 1.2B SERVICES PRESENT IN COMMUNITIES BY RANK, 1971

<sup>a</sup>Group postal boxes.  
<sup>a</sup>closed July 1, 1971.  
<sup>b</sup>closed July 31, 1967

Source: Field survey, telephone and trade directories.





### Retail Trade

Only a limited amount of information on retail trade in the Melfort-Wakaw region was available; therefore it could not be used in the ranking process. Table 1.3 shows the retail sales volume of each incorporated community in the study area for census years 1961 and 1966. The number of outlets reporting in any community often does not account for all the retailers actually operating there.

In general, retail sales volume increased with the ascending order of community rank; however considerable variation exists. It must also be remembered that the ranking was established on the basis of services and population for each community in 1971; whereas the figures for sales are taken from census data for 1961 and 1966.

The average volume of sales per retail outlet increased between 1961 and 1966 in four of the villages and in all the towns and greater towns.

TABLE 1.3 RETAIL TRADE OF INCORPORATED COMMUNITIES IN THE STUDY AREA,  
1961 AND 1966

Delivery Point	1961			1966		
	No. of Outlets	Retail Sales		No. of Outlets	Retail Sales	
		Total	Per Outlet		Total	Per Outlet
		- \$000's -			- \$000's -	
<i>Villages</i>						
40 Beatty	3	134	45	4	153	38
44 Elstow	4	166	42	2	n.a.	-
50 Weldon	4	420	105	4	216	54
51 Meacham	7	180	26	3	104	35
52 St. Benedict	5	171	34	6	246	41
53 Ridgedale	5	280	56	5	209	42
54 Prud'homme	6	173	29	6	342	57
55 Muenster	3	179	60	3	186	62
56 Alvena	7	285	41	5	206	41
57 Domremy	4	296	74	5	185	37
<i>Towns</i>						
58 Yellow Creek	7	104	15	6	128	21
59 St. Louis	8	270	34	8	390	49
60 Aberdeen	8	233	29	9	493	55
61 Middle Lake	15	521	35	5	349	70
62 Lake Lenore	11	420	38	8	351	44
63 St. Brieux	9	480	53	6	536	89
64 Vonda	8	355	44	6	386	64
65 Viscount	10	381	38	6	251	42
66 Star City	13	515	40	11	551	50
67 Colonsay	4	301	75	4	366	92
68 Bruno	14	1,052	75	14	1,153	82
69 Naicam	17	1,176	69	18	1,975	110
70 Cudworth	14	592	42	14	817	58
<i>Greater Towns</i>						
71 Kinistino	14	1,407	101	17	3,159	186
72 Birch Hills	9	834	93	13	1,264	97
73 Wakaw	20	1,623	81	19	2,362	124
74 Humboldt	45	5,498	122	54	8,750	162
75 Melfort	53	7,074	133	60	13,392	223

n.a. - Not available.

Source: Census of Canada, Dominion Bureau of Statistics, Ottawa.

### Population of Communities

The population of communities in the study area increased by 18.5 percent between 1956 and 1971 (Table 1.4). This gain, however, was entirely due to increases in the populations of towns, 15.4 percent and greater towns, 32.6 percent. All the other classification groups lost population: villages, 9.7 percent; hamlets, 38.2 percent; and "too small to classify", 53.0 percent. These percentages are based on 1971 census data. The population of Saskatchewan increased by 8.5 percent from 1956 to 1966; then it began to decline. In the five years from 1966 to 1971 the population of the province decreased by 3.1 percent.

TABLE 1.4 POPULATION OF COMMUNITIES IN THE STUDY AREA, CENSUS YEARS 1941 TO 1971  
AND 1970 ESTIMATES<sup>a</sup>

Delivery Point	1941	1951	1956	1961	1966	1970	Preliminary
						Jan. 1 Estimates	1971
<i>Too Small to Classify</i>							
1 Burton Lake						1	1
2 Clarkboro		25	10			2	
3 Rak						2	
4 Irvington			7			5	
5 Thaxted		11	15		9	10	
6 Waitville		37	33	32	19	24	12
7 Mileage 102.2							
8 Tiger Hills						2	2
9 Rutan			10		6	2	4
10 Claggett						4	
11 Leofnard		18	20	17		6	5
12 Totzke						6	3
13 Clemens		21	13			6	3
14 Lepine		4	8			6	6
15 Carpenter		22	16	24	15	7	
16 Fenton		23	32	48	11	15	16
17 Bremen		25	24	29	24	36	21
18 Dixon		24	27	25	12	7	12
<i>Hamlets</i>							
19 Daylesford		27	21			5	
20 Ens		23	16	13	8	9	7
21 Lenvale		12	12		6	10	5
22 Naisberry		15	10			10	5
23 Whittome		27	14			10	5
24 Silver Park	41	54		39	52	52	40
25 Resource		17	30	37	32	28	23
26 Tarnopol		32	40	23	21	40	17
27 Lipsett			17		15	15	15
28 Peterson		36	62	63	55	55	74
29 Moseley		27	30	27	32	22	22
30 Reynaud		48	46	35	22	25	25
31 Brancepeth	75	61	76	62	43	43	36
32 Hagen	29	67	50	62	49	49	25
33 Smuts	39	55	56	54	38	30	22
34 Fairy Glen		64	51	53	38	45	42
<i>Villages</i>							
35 Ethelton	43	56	45	56	51	51	20
36 Lac Vert	144	109	136	122	105	105	105
37 Fulda		41	48	50	50	54	45
38 Tway	95	107	116	97	71	71	67
39 Pleasantdale	132	138	139	151	147	151	151
40 Beatty	110	142	141	143	110		97
41 Brooksby	65	86	76	74	58	52	36
42 Hoey			103	131	96	96	96
43 Pathlow	125	136	128	108	110	110	60
44 Elstow	126	99	111	98	114		150
45 Meskanaw	57	92	82	101	72	72	37
46 Pilger <sup>b</sup>	113	108	124	133	117	121	110
47 Crystal Springs	115	108	93	113	69	69	65
48 Gronlid	149	168	175	152	151	151	138
49 Carmel	91	97	120	106	118	125	90
50 Weldon	204	202	220	227	256	241	254

See footnotes at end of table

(continued)

TABLE 1.4 POPULATION OF COMMUNITIES IN THE STUDY AREA, CENSUS YEARS 1941 TO 1971  
AND 1970 ESTIMATES<sup>a</sup> (concluded)

Delivery Point	1941	1951	1956	1961	1966	1970	Preliminary 1971
						Jan. 1 Estimates	
51 Meacham	148	167	193	245	194	170	184
52 St. Benedict <sup>c</sup>	90	151	184	205	234	209	195
53 Ridgedale	221	251	208	191	187	151	166
54 Prud'homme <sup>d</sup>	237	255	290	264	321		262
55 Muenster	117	153	147	182	258	270	280
56 Alvena <sup>e</sup>	128	191	176	220	208	190	147
57 Domremy	203	241	226	234	235	214	209
<i>Towns</i>							
58 Yellow Creek		163	178	182	191	210	164
59 St. Louis			339	344	398	479	380
60 Aberdeen	231	271	284	284	311		291
61 Middle Lake <sup>f</sup>	140	185	175	238	252	285	288
62 Lake Lenore	240	361	461	447	459	450	391
63 St. Brieux	150	287	411	364	409	420	361
64 Vonda	313	254	246	238	322	330	257
65 Viscount <sup>g</sup>	272	338	302	303	346	390	398
66 Star City	519	557	619	571	634	620	540
67 Colonsay <sup>g</sup>	183	228	295	278	348	523	525
68 Bruno	543	542	646	750	736	825	731
69 Naicam <sup>h</sup>	279	475	529	672	784	830	720
70 Cudworth	535	559	582	628	755	811	800
<i>Greater Towns</i>							
71 Kinistino <sup>i</sup>	564	677	654	764	861	780	747
72 Birch Hills	384	475	562	534	663	723	694
73 Wakaw <sup>j</sup>	702	766	898	974	1,032	1,050	1,008
74 Humboldt	1,767	2,435	2,916	3,245	3,979	4,162	3,889
75 Melfort <sup>g</sup>	2,005	2,919	3,322	4,039	4,386	4,800	4,740
Study Area Total	11,724	15,365	17,446	18,901	20,705	20,950	20,336 <sup>k</sup>
Province of Saskatchewan	895,992	831,728	880,665	925,181	955,344	942,000 <sup>l</sup>	926,245

<sup>a</sup>A blank space means data were not available.

<sup>b</sup>Village of Pilger incorporated since June 1, 1966.

<sup>c</sup>Village of St. Benedict incorporated in 1964 from 400. Three Lakes.

<sup>d</sup>Parts of 371. Bayne and 372. Grant annexed to Village of Prud'homme in 1965.

<sup>e</sup>Part of 402. Fish Creek annexed to Village of Alvena in 1962.

<sup>f</sup>Village of Middle Lake incorporated in 1963 from 400. Three Lakes.

<sup>g</sup>Change in boundary since 1966.

<sup>h</sup>Part of 398. Pleasantdale annexed to Town of Naicam in 1964 and 1965.

<sup>i</sup>Part of 459. Kinistino annexed to Town of Kinistino in 1962.

<sup>j</sup>Part of 402. Fish Creek annexed to Town of Wakaw in 1962.

<sup>k</sup>This total includes 1970 estimates where 1971 data were not available.

<sup>l</sup>Estimate for June 1, 1970.

Source: Census of Canada, Dominion Bureau of Statistics, Ottawa.

Municipal Directory, 1970, Saskatchewan Department of Municipal  
Affairs, Regina.

Directory of Hamlets and Settlements, 1969 and 1972, Saskatchewan  
Department of Municipal Affairs, Regina.

### Farm Population

The study area encompasses about 22 rural municipalities. Table 1.5 lists these municipalities for census years 1941 to 1966 and it indicates the number of persons living on census farms.<sup>1</sup> During this period the farm population of Saskatchewan declined by 45.4 percent; in the study area the farm population dropped by 44.9 percent.

The combined effects of a substantial fall in farm population and a rise in total population caused the proportion of persons on farms in the province to decline from 57.4 percent in 1941 to 29.4 percent in 1966, a period of 25 years. The proportion of persons on farms in the study area in 1966 was 53.9 percent.<sup>2</sup> The figures in the table plainly show the reduction in the number of persons living on farms.

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<sup>1</sup>In 1966 the term "census farm" was defined as an agricultural holding of one acre or more with sales of agricultural products, during the 12-month period prior to the census, of \$50 or more. See Agriculture Census of Canada, 1966.

<sup>2</sup>Based on a total population of 51,322 in the study area as shown in Table 1.6.

TABLE 1.5 FARM POPULATION IN THE STUDY AREA BY RURAL MUNICIPALITY, CENSUS YEARS 1941 TO 1966

Rural Municipalities	1941	1951	1956	1961	1966
<i>Census Division #11</i>					
340. Wolverine	1,965	1,517	1,413	1,265	1,085
341. Viscount	1,886	1,373	1,312	1,029	994
342. Colonsay	1,426	871	744	526	554
343. Blucher	1,498	1,106	1,126	983	904
<i>Census Division #14</i>					
368. Spalding	2,516	1,962	1,647	1,393	1,430
398. Pleasantdale	2,004	1,692	1,445	1,164	1,180
428. Star City	2,475	2,039	1,787	1,518	1,457
458. Willow Creek	3,210	2,553	2,123	1,728	1,569
<i>Census Division #15</i>					
369. St. Peter	2,727	2,521	2,276	2,155	1,961
370. Humboldt	2,484	2,032	1,953	1,642	1,605
371. Bayne	2,513	1,829	1,609	1,286	1,089
372. Grant	1,990	1,363	1,203	1,008	836
373. Aberdeen	2,072	1,640	1,503	1,212	985
399. Lake Lenore	1,892	1,492	1,311	1,040	1,032
400. Three Lakes	2,149	1,756	1,557	1,470	1,356
401. Hoodoo	2,961	2,157	1,827	1,495	1,464
402. Fish Creek	2,366	1,545	1,341	1,017	855
429. Flett's Springs	2,224	1,905	1,710	1,436	1,245
430. Invergordon	2,836	2,124	1,885	1,501	1,458
431. St. Louis	2,787	2,388	2,165	1,786	1,760
459. Kinistino	2,597	2,520	2,348	1,884	1,694
460. Birch Hills	1,655	1,528	1,305	1,188	1,155
Study Area Total	50,233	39,913	35,590	29,726	27,668
Farm Population of Saskatchewan	514,677	399,473	362,231	305,740	281,089

Source: Census of Canada, Dominion Bureau of Statistics, Ottawa.

### Population by Sex and Age Groups

Tables 1.6 and 1.7 contain population data from the 1966 Census for incorporated communities and for rural municipalities making up the study area as well as provincial totals. In the study area as in the province, there were more males than females. For the province 51.2 percent of the population were male; for the study area 52.0 percent were male.

The 20 to 64 age group closely represents the effective working population (Table 1.7). In 1966 it comprised 47.9 percent of the population in the province and 46.1 percent of the population in the study area. A much larger percentage of people in the retired age group lived in incorporated communities rather than in rural municipalities. For other age groups the proportions of people living in incorporated centers and in rural municipalities were about the same.

TABLE 1.6 POPULATION BY SPECIFIED AGE GROUPS AND SEX FOR INCORPORATED COMMUNITIES AND RURAL MUNICIPALITIES IN THE STUDY AREA, 1966

	Total	Years of Age										70 and over
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-69	
<i>Incorporated Communities</i>												
40 Beatty												
T.	110	8	13	13	7	5	11	14	13	8	5	13
M.	52	4	7	5	7	1	6	7	6	4	1	4
F.	58	4	6	8	0	4	5	7	7	4	4	9
44 Elstow												
T.	470	69	54	43	40	39	54	51	36	32	8	44
M.	237	28	23	22	22	18	31	26	18	13	5	31
F.	233	41	31	21	18	21	23	25	18	19	3	13
50 Weldon												
T.	256	25	42	31	18	13	22	26	20	24	10	25
M.	119	8	16	12	11	6	11	13	8	15	5	14
F.	137	17	26	19	7	7	11	13	12	9	5	11
51 Meacham												
T.	194	25	13	21	8	10	13	22	28	27	6	21
M.	105	13	8	12	5	4	8	10	16	14	5	10
F.	89	12	5	9	3	6	5	12	12	13	1	11
52 St. Benedict												
T.	234	26	30	32	19	8	12	28	32	24	9	14
M.	117	11	13	19	8	3	7	13	17	14	5	7
F.	117	15	17	13	11	5	5	15	15	10	4	7
53 Ridgedale												
T.	187	11	10	27	21	9	8	18	30	19	12	22
M.	101	5	5	13	14	6	4	8	14	9	8	15
F.	86	6	5	14	7	3	4	10	16	10	4	7
54 Prud'homme												
T.	321	39	34	35	22	17	28	39	37	33	13	24
M.	168	28	14	16	17	10	11	18	21	15	4	14
F.	153	11	20	19	5	7	17	21	16	18	9	10
55 Muenster												
T.	258	27	25	31	30	34	26	16	22	28	9	10
M.	126	16	10	14	12	16	14	8	8	17	5	6
F.	132	11	15	17	18	18	12	8	14	11	4	4
56 Alvena												
T.	208	11	16	20	14	4	16	17	19	33	17	41
M.	94	5	5	9	7	3	3	9	7	17	10	19
F.	114	6	11	11	7	1	13	8	12	16	7	22

See footnotes at end of table

(continued)

TABLE 1.6 POPULATION BY SPECIFIED AGE GROUPS AND SEX FOR INCORPORATED COMMUNITIES AND RURAL MUNICIPALITIES IN THE STUDY AREA, 1966 (continued)

		Years of Age											70 and over
		Total	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-69	
57	T.	235	29	34	32	17	12	23	26	23	21	11	7
	M.	117	13	20	14	9	6	8	18	9	11	6	3
	F.	118	16	14	18	8	6	15	8	14	10	5	4
58	T.	191	15	15	29	8	5	14	25	16	28	16	20
	M.	99	6	7	19	3	1	7	13	8	15	8	12
	F.	92	9	8	10	5	4	7	12	8	13	8	8
59	T.	398	47	46	61	39	14	43	41	39	33	14	21
	M.	191	22	23	33	20	8	17	20	15	14	10	9
	F.	207	25	23	28	19	6	26	21	24	19	4	12
60	T.	311	23	31	28	34	19	33	34	33	27	20	29
	M.	176	17	17	19	21	10	21	16	14	13	12	16
	F.	135	6	14	9	13	9	12	18	19	14	8	13
61	T.	252	26	26	18	13	10	29	23	33	47	12	15
	M.	118	14	12	5	6	3	12	14	19	18	4	11
	F.	134	12	14	13	7	7	17	9	14	29	8	4
62	T.	459	69	86	64	45	18	42	54	31	29	9	12
	M.	230	35	45	25	28	6	18	25	18	20	5	5
	F.	229	34	41	39	17	12	24	29	13	9	4	7
63	T.	409	49	40	50	46	20	36	39	39	28	19	43
	M.	204	25	20	28	22	10	20	18	17	17	10	17
	F.	205	24	20	22	24	10	16	21	22	11	9	26
64	T.	322	31	22	30	26	28	26	23	20	49	26	41
	M.	161	15	11	10	14	18	14	11	8	18	10	32
	F.	161	16	11	20	12	10	12	12	12	31	16	9
65	T.	346	42	31	21	28	21	50	25	36	41	15	36
	M.	180	24	17	11	10	12	33	9	17	18	7	22
	F.	166	18	14	10	18	9	17	16	19	23	8	14

See footnotes at end of table

(continued)

TABLE 1.6 POPULATION BY SPECIFIED AGE GROUPS AND SEX FOR INCORPORATED COMMUNITIES AND RURAL MUNICIPALITIES IN THE STUDY AREA, 1966 (continued)

		Years of Age											70 and over
		Total	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-69	
66 Star City	T.	634	33	54	85	64	23	31	66	85	70	35	88
	M.	324	19	28	38	37	12	17	26	47	30	14	56
	F.	310	14	26	47	27	11	14	40	38	40	21	32
67 Colonsay	T.	348	31	45	36	37	26	41	32	36	27	6	31
	M.	184	14	21	21	23	14	23	16	16	17	1	18
	F.	164	17	24	15	14	12	18	16	20	10	5	13
68 Bruno	T.	736	79	80	59	68	37	67	78	73	77	42	76
	M.	329	37	40	32	19	11	30	38	33	33	24	32
	F.	407	42	40	27	49	26	37	40	40	44	18	44
69 Naicam	T.	784	92	81	81	54	39	73	70	79	71	43	101
	M.	381	46	40	40	25	17	29	31	34	40	17	62
	F.	403	46	41	41	29	22	44	39	45	31	26	39
70 Cudworth	T.	755	83	75	69	67	28	48	80	66	107	39	93
	M.	373	44	38	39	37	12	22	38	28	46	15	54
	F.	382	39	37	30	30	16	26	42	38	61	24	39
71 Kinistino	T.	861	84	91	85	79	47	89	77	95	79	37	98
	M.	438	42	50	51	43	27	44	35	44	38	13	51
	F.	423	42	41	34	36	20	45	42	51	41	24	47
72 Birch Hills	T.	663	60	66	65	63	48	60	72	73	66	24	66
	M.	325	27	27	37	35	28	32	32	32	34	11	30
	F.	338	33	39	28	28	20	28	40	41	32	13	36
73 Wakaw	T.	1,032	82	80	104	63	48	98	98	120	125	52	162
	M.	500	42	44	47	28	26	44	59	48	60	29	73
	F.	532	40	36	57	35	22	54	39	72	65	23	89
74 Humboldt	T.	3,979	486	447	365	384	268	416	392	328	365	166	362
	M.	1,884	247	221	183	166	106	190	194	142	170	85	180
	F.	2,095	239	226	182	218	162	226	198	186	195	81	182

See footnotes at end of table

(continued)

TABLE 1.6 POPULATION BY SPECIFIED AGE GROUPS AND SEX FOR INCORPORATED COMMUNITIES AND RURAL MUNICIPALITIES IN THE STUDY AREA, 1966 (continued)

		Years of Age											70 and over	
		Total	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-69		
75	Melfort	T. M. F.	4,386 2,155 2,231	458 221 237	406 206 200	410 226 184	382 187 195	322 148 174	500 249 251	441 209 232	430 208 222	374 170 204	180 94 86	483 237 246
Rural Municipalities <sup>a</sup>														
340	Wolverine	T. M. F.	1,161 627 534	157 76 81	171 83 88	144 77 67	105 51 54	51 33 18	116 63 53	122 69 53	143 75 68	86 58 28	26 18 8	40 22 16
341	Viscount	T. M. F.	1,022 546 476	100 45 55	144 75 69	153 74 79	112 61 51	43 28 15	59 30 29	129 60 69	174 106 68	63 38 25	12 9 3	33 20 13
342	Colonsay	T. M. F.	580 315 265	71 35 36	74 37 37	85 48 37	54 31 23	25 11 14	38 21 17	91 46 45	82 50 32	31 21 10	12 8 4	17 7 10
343	Blucher	T. M. F.	1,263 739 524	140 60 80	175 92 83	170 90 80	128 85 43	98 73 25	150 92 58	157 100 57	141 83 58	64 40 24	15 10 5	25 14 11
368	Spalding	T. M. F.	1,479 772 707	176 90 86	203 99 104	194 96 98	137 68 69	49 23 26	155 80 75	193 105 88	154 80 74	134 79 55	30 21 9	54 31 23
398	Pleasantdale	T. M. F.	1,504 804 700	148 73 75	177 88 89	183 93 90	151 91 60	55 29 26	120 58 62	171 89 82	182 91 91	163 96 67	54 36 18	100 60 40
428	Star City	T. M. F.	1,692 881 811	149 75 74	181 91 90	224 109 115	187 99 88	64 37 27	126 63 63	214 101 113	255 134 121	164 102 62	47 20 27	81 50 31
458	Willow Creek	T. M. F.	1,915 1,034 881	170 87 83	204 112 92	222 120 102	168 90 78	87 44 43	168 84 84	270 149 121	244 130 114	188 107 81	70 45 25	124 66 58

See footnotes at end of table

(continued)

TABLE 1.6 POPULATION BY SPECIFIED AGE GROUPS AND SEX FOR INCORPORATED COMMUNITIES AND RURAL MUNICIPALITIES IN THE STUDY AREA, 1966 (continued)

		Years of Age											70 and over
		Total	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-69	
369 St. Peter	T. M. F.	2,190 1,204 986	290 146 144	306 161 145	312 161 151	268 162 106	119 69 50	198 117 81	234 126 108	235 124 111	143 86 57	39 26 13	46 26 20
370 Humboldt	T. M. F.	1,828 971 857	239 113 126	244 128 116	249 131 118	198 99 99	107 66 41	177 91 86	181 89 92	231 125 106	130 86 44	27 15 12	45 28 17
371 Bayne	T. M. F.	1,944 1,079 865	288 176 112	275 148 127	248 128 120	177 92 81	116 70 46	251 132 119	246 130 116	191 105 86	96 64 32	15 9 6	41 25 16
372 Grant	T. M. F.	869 489 380	93 55 38	104 57 47	125 66 59	85 48 37	58 33 25	82 45 37	89 52 37	115 62 53	77 43 34	17 14 3	24 14 10
373 Aberdeen	T. M. F.	1,024 517 507	111 51 60	146 77 69	120 57 63	128 60 68	54 32 22	92 49 43	114 49 65	115 61 54	97 55 42	25 14 11	22 12 10
399 Lake Lenore	T. M. F.	1,043 545 498	122 54 68	140 69 71	137 68 69	113 59 54	57 33 24	92 48 44	129 65 64	114 70 44	67 39 28	27 17 10	45 23 22
400 Three Lakes	T. M. F.	1,632 855 777	221 104 117	208 104 104	190 94 96	121 64 57	76 34 42	163 84 79	187 113 74	163 87 76	141 78 63	53 32 21	109 61 48
401 Hoodoo	T. M. F.	1,490 791 699	181 81 100	224 123 101	178 87 91	172 95 77	68 40 28	143 69 74	178 96 82	160 87 73	127 75 52	27 21 6	32 17 15
402 Fish Creek	T. M. F.	880 477 403	91 43 48	101 55 46	104 49 55	89 45 44	33 23 10	80 43 37	101 55 46	125 64 61	108 68 40	21 14 7	27 18 9

(continued)

See footnotes at end of table

TABLE 1.6 POPULATION BY SPECIFIED AGE GROUPS AND SEX FOR INCORPORATED COMMUNITIES AND RURAL MUNICIPALITIES IN THE STUDY AREA, 1966 (concluded)

		Years of Age											70 and over
		Total	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-69	
429 Flett's Springs	T.	1,589	155	178	188	175	88	138	198	209	150	40	70
	M.	849	74	93	94	88	56	69	92	118	92	24	49
	F.	740	81	85	94	87	32	69	106	91	58	16	21
430 Invergordon	T.	1,716	140	180	202	189	73	146	199	215	203	68	101
	M.	905	59	90	116	96	45	70	101	117	116	33	62
	F.	811	81	90	86	93	28	76	98	98	87	35	39
431 St. Louis	T.	2,053	220	285	316	223	64	160	228	241	154	58	104
	M.	1,111	116	153	161	124	34	82	116	136	95	35	59
	F.	942	104	132	155	99	30	78	112	105	59	23	45
459 Kinistino	T.	1,802	155	205	239	185	59	165	238	234	182	50	90
	M.	965	77	110	127	97	30	76	126	128	108	29	57
	F.	837	78	95	112	88	29	89	112	106	74	21	33
460 Birch Hills	T.	1,307	113	134	160	163	74	94	143	203	125	40	58
	M.	716	49	69	91	89	54	47	65	111	77	29	35
	F.	591	64	65	69	74	20	47	78	92	48	11	23
Study Area Total	T.	51,322	5,590	6,052	6,088	5,024	2,690	4,822	5,739	5,818	4,585	1,628	3,286
	M.	26,680	2,767	3,102	3,137	2,630	1,439	2,438	2,928	3,016	2,523	902	1,798
	F.	24,642	2,823	2,950	2,951	2,394	1,251	2,384	2,811	2,802	2,062	726	1,488
Provincial Total	T.	955,344	107,515	110,130	103,304	88,412	62,150	104,651	110,413	103,270	76,617	27,264	61,618
	M.	489,040	54,979	56,128	53,042	44,786	31,551	53,255	56,052	52,290	40,352	14,057	32,548
	F.	466,304	52,536	54,002	50,262	43,626	30,599	51,396	54,361	50,980	36,265	13,207	29,070

T. - Total M. - Male F. - Female

<sup>a</sup>Rural municipality data include farm and unincorporated community population but exclude populations of incorporated communities.

Source: Census of Canada, 1966, Dominion Bureau of Statistics, Ottawa.

TABLE 1.7 PROPORTION OF POPULATION FALLING WITHIN THREE SPECIFIED AGE GROUPS, 1966

	Pre-School and School Age Groups (0 to 19)	Working Age Group (20 to 64)	Retired Age Group (65 and Over)
	- percent -		
<i>Incorporated Communities</i>			
40 Beatty	37.3	46.3	16.4
44 Elstow	43.8	45.1	11.1
50 Weldon	45.3	41.0	13.7
51 Meacham	34.5	51.6	13.9
52 St. Benedict	45.7	44.5	9.8
53 Ridgedale	36.9	44.9	18.2
54 Prud'homme	40.5	48.0	11.5
55 Muenster	43.8	48.8	7.4
56 Alvena	29.3	42.8	27.9
57 Domremy	47.6	44.7	7.7
58 Yellow Creek	35.1	46.1	18.8
59 St. Louis	48.5	42.7	8.8
60 Aberdeen	37.3	46.9	15.8
61 Middle Lake	32.9	56.4	10.7
62 Lake Lenore	57.5	37.9	4.6
63 St. Brieux	45.2	39.6	15.2
64 Vonda	33.9	45.3	20.8
65 Viscount	35.3	50.0	14.7
66 Star City	37.2	43.4	19.4
67 Colonsay	42.8	46.6	10.6
68 Bruno	38.9	45.1	16.0
69 Naicam	39.3	42.3	18.4
70 Cudworth	38.9	43.6	17.5
71 Kinistino	39.4	44.9	15.7
72 Birch Hills	38.3	48.1	13.6
73 Wakaw	31.9	47.4	20.7
74 Humboldt	42.3	44.4	13.3
75 Melfort	37.8	47.1	15.1
<i>Rural Municipalities</i>			
340. Wolverine	49.7	44.6	5.7
341. Viscount	49.8	45.8	4.4
342. Colonsay	49.0	46.0	5.0
343. Blucher	48.5	48.3	3.2
368. Spalding	48.0	46.3	5.7
398. Pleasantdale	43.8	46.0	10.2
428. Star City	43.8	48.6	7.6
458. Willow Creek	39.9	50.0	10.1
369. St. Peter	53.7	42.4	3.9
370. Humboldt	50.9	45.2	3.9

(continued)

TABLE 1.7 PROPORTION OF POPULATION FALLING WITHIN THREE SPECIFIED AGE GROUPS, 1966 (concluded)

	Pre-School and School Age Groups (0 to 19)	Working Age Group (20 to 64)	Retired Age Group (65 and Over)
	- percent -		
371. Bayne	50.8	46.3	2.9
372. Grant	46.8	48.5	4.7
373. Aberdeen	49.3	46.1	4.6
399. Lake Lenore	49.1	44.0	6.9
400. Three Lakes	45.4	44.7	9.9
401. Hoodoo	50.7	45.4	3.9
402. Fish Creek	43.7	50.8	5.5
429. Flett's Springs	43.8	49.3	6.9
430. Invergordon	41.4	48.7	9.9
431. St. Louis	50.8	41.3	7.9
459. Kinistino	43.5	48.7	7.8
460. Birch Hills	43.6	48.9	7.5
Study Area Total	44.3	46.1	9.6
Saskatchewan Total	42.8	47.9	9.3

Source: Calculated from Table 1.6.

### School Enrolment

It is evident from the figures for school enrolment in Table 1.8 that the trend in Western Canada towards school consolidation has affected the Melfort-Wakaw study area. There were no schools in communities "too small to classify" or in hamlets. Of the 23 villages 8 had no schools; whereas 9 offered the complete range of elementary and high school classes. All grades were available in towns and greater towns except the town of Vonda which had only grades 1-7.

TABLE 1.8. SCHOOL ENROLMENT IN THE STUDY AREA BY GRADES, SCHOOL YEAR 1971-72

Delivery Point	Kind.	1	2	3	4	5	6	7	8	9	10	11	12	Aux	Total	Pupils Conveyed to (Grades)
- enrolment -																
<i>Too Small to Classify</i>																
1 Burton Lake	No School															Humboldt (1-12)
2 Clarkboro	No School															Aberdeen (1-12)
3 Rak	No School															Aberdeen (1-12)
4 Irvington	No School															Star City (1-12)
5 Thaxted	No School															Melfort (1-12)
6 Waitville	No School															Crystal Springs (1-12)
7 Mileage 102.2	No School															Melfort (1-12)
8 Tiger Hills	No School															Birch Hills (1-12)
9 Rutan	No School															Meacham (1-3)
																Viscount (1-12)
																Melfort (1-12)
10 Claggett	No School															Cudworth (1-12)
11 Leofnard	No School															Bruno (1-12)
12 Totzke	No School															Melfort (1-12)
13 Clemens	No School															Wakaw (1-12)
14 Lepine	No School															Wakaw (1-12)
15 Carpenter	No School															Birch Hills (1-12)
16 Fenton	No School															Cudworth (1-12)
17 Bremen	No School															Humboldt (1-12)
18 Dixon	No School															
<i>Hamlets</i>																
19 Daylesford	No School															St. Brieux (1-12)
																Lake Lenore (1-12)
20 Ens	No School															Wakaw (1-12)
21 Lenville	No School															Melfort (1-12)
22 Naisberry	No School															Melfort (1-12)
																Star City (1-12)
23 Whittome	No School															Melfort (1-12)
24 Silver Park	No School															Melfort (1-12)
25 Resource	No School															Melfort (1-12)
26 Tarnopol	No School															Yellow Creek (1-12)
27 Lipsett	No School															Melfort (1-12)
28 Peterson	No School															Bruno (1-12)
29 Moseley	No School															Muenster (1-12)
30 Reynaud	No School															St. Benedict (1-11)
																Middle Lake (12)
31 Brancepeth	No School															Birch Hills (1-12)
32 Hagen	No School															Birch Hills (1-12)
33 Smuts	No School															Aberdeen (1-12)
34 Fairy Glen	No School															Melfort (1-12)
<i>Villages</i>																
35 Ethelton	No School															Kinistino (1-12)
36 Lac Vert	No School															Pleasantdale & Naicam (1-12)

(continued)

TABLE 1.8 SCHOOL ENROLMENT IN THE STUDY AREA BY GRADES, SCHOOL YEAR 1971-72

Delivery Point	Grades:	Kind.	1	2	3	4	5	6	7	8	9	10	11	12	Aux	Total	Pupils Conveyed to (Grades)	
- enrolment -																		
37 Fulda	No School	4	10	3	8	5	12	10	16							68	Humboldt (9-12) Crystal Springs (1-12)	
38 Tway	No School	17	18	29	17	24	28	27	22	15	15	15	17	9		238	Melfort (1-12) Star City (1-12) St. Louis (1-12) Melfort (1-12) Clavet (1-12) Kinistino (7-12) Middle Lake (10-12)	
39 Piesantdale	No School	5	3	3	4	0	4									19		
40 Beatty	No School	11	13	16	12	11	11	11	10	13	14					111		
41 Brooksby	No School	7	15	7	18	13	18	6	21	21	21	14	9	12		161		
42 Hoey	No School	14	19	19	21	23	24	24	19	20	20	14	17	18		232		
43 Pathlow	No School	14	14	16	10	10	11	8	16	8						107		
44 Elstow	No School	14	16	11	18	22	15	17	18	13						144		
45 Meskanaw	No School	6	18	7	11	9	5	7	9							72		
46 Pilger		11	15	12	14	18	8	15	14	14	14	15	10			146		
47 Crystal Springs		6	9	7	13	13	11	12	7	18	12	12	10	18		136		
48 Gronlid		12	13	20	14	20	19	14	21	21	21	9	13	10		186		
49 Carmel		33	45	31	25	28	48	22	33	39	39	40	36	86		466		
50 Weldon		7	4	12	16	9	7	5	10	11	11	13	7	7		108		
51 Meacham		15	14	14	19	13	14	17	13	20	20	15	16	13		183		
52 St. Benedict																		
53 Ridgedale																		
54 Prud'homme																		
55 Muenster																		
56 Alvena																		
57 Domremy																		
Towns																		
58 Yellow Creek		12	14	12	9	14	8	18	5	13	13	10	10	12		137		
59 St. Louis		28	20	24	28	24	24	24	35	44	44	32	44	26	15	368		
60 Aberdeen		32	31	40	32	35	26	61	52	53	53	45	34	35		476		
61 Middle Lake		13	14	19	23	14	25	16	22	10	27	20	20	15		218		
62 Lake Lenore		34	25	33	28	26	39	33	39	30	30	27	20	19		353		
63 St. Brieux		25	22	21	30	31	27	36	42	24	24	23	28	16	5	330		
64 Vonda		0	10	13	10	12	15	17								77	Aberdeen (8-12)	
65 Viscount		7	11	6	6	9	15	10	11	45	38	41	41	34	6	239		
66 Star City		26	24	18	22	25	17	16	31	37	31	30	30	16		293		
67 Colonsay		23	21	19	28	16	19	28	24	24	29	16	16	20		267		
68 Bruno		44	57	42	62	55	44	52	38	56	59	66	66			641		
69 Naicam		37	31	39	34	36	36	35	43	34	27	28	28	11		391		
70 Cudworth		Data not available																
Greater Towns																		
71 Kinistino		61	48	68	55	44	51	82	84	70	48	65	65	46	14	736		
72 Birch Hills		39	37	36	45	42	53	51	41	47	63	57	57	54		565		
73 Wakaw		47	72	37	48	47	58	54	55	37	38	39	39	29		561		
74 Humboldt - Public		19	22	16	25	16	20	18	23	103	102	97	97	92		553		
- Separate		83	94	84	89	94	90	87	69							690		
(continued)																		

(continued)

TABLE 1.8 SCHOOL ENROLMENT IN THE STUDY AREA BY GRADES, SCHOOL YEAR 1971-72 (concluded)

Delivery Point	Kind.	1	2	3	4	5	6	7	8	9	10	11	12	Aux	Total	Pupils Conveyed to (Grades)
	Grades:															
75 Melfort		71	82	97	114	99	83	83	141	155	156	160	171	131	32	1,575

Kind. - Kindergarten  
Aux - Auxiliary classes

Source: Saskatchewan Department of Education, Regina.

### Post Office Revenue

Table 1.9 records post office revenues at delivery points in the study area from 1963 to 1971. These receipts are crude indicators of socio-economic activities in the various communities and their environs. The last post offices in communities "too small to classify" closed at Waitville, Fenton and Bremen in 1970. At the end of the 1970-71 fiscal year, only four hamlets had a post office. Three other hamlets, Silver Park, Resource and Peterson, had community postal boxes where mail for local residents is deposited. This type of postal service, however, does not generate any revenue in a community.

In 1971 postal revenue was over \$1,000 in all villages except Tway where it was \$882. Muenster had very high postal revenues every year. In 1971 these receipts were more than twice those of any other village. A large part of the revenue at Muenster is probably generated by St. Peter's College which is located there.

Postal revenues in all villages, towns and greater towns have increased over time. The average percentages of increase from 1963 to 1971 were as follows: villages, 63.7 percent; towns, 75.7 percent; and greater towns, 80.0 percent.

TABLE 1.9 POST OFFICE REVENUE IN THE STUDY AREA, FISCAL YEARS 1962-63 TO 1970-71

Delivery Point	Year Ending March 31	1963	1964	1965	1966	1967	1968	1969	1970	1971
- dollars -										
<i>Too Small to Classify</i>										
1 Burton Lake	No Post Office									
2 Clarkboro	Closed 1958									
3 Rak	Closed 1953									
4 Irvington	Closed 1959									
5 Thaxted	Closed 1944									
6 Waitville	230	210	210	235	210	180	162	152	181	Closed 1970
7 Mileage 102.2	No Post Office									
8 Tiger Hills	155	144	144	42	Closed 1964					
9 Rutan	Closed 1915									
10 Claggett	No Post Office									
11 Leofnard	196	211	211	185	187	174	43	Closed 1967		
12 Totzke	Closed 1959									
13 Clemens	Closed 1920's									
14 Lepine	96	98	98	110	110	102	100	98	37	Closed 1969
15 Carpenter	256	239	239	221	204	195	212	180	42	Closed 1969
16 Fenton	297	300	300	313	307	234	222	205	205	Closed 1970
17 Bremen	270	303	303	330	343	309	345	312	394	Closed 1970
18 Dixon	No Post Office								73	
<i>Hamlets</i>										
19 Daylesford	Closed 1962									
20 Ens	204	161	161	193	146	139	148	153	51	Closed 1969
21 Lenvale	279	216	216	213	282	348	304	461	653	Closed 1970
22 Naisberry	Closed 1957									
23 Whitton	222	264	264	229	268	259	268	395	500	Closed 1970
24 Silver Park	411	394	394	441	410	441	421	447	559	Closed 1970 <sup>a</sup>
25 Resource	486	505	505	502	526	530	531	565	540	Closed 1970 <sup>a</sup>
26 Tarnopol	515	540	540	481	427	449	474	426	580	734
27 Lipsett	No Post Office <sup>b</sup>									
28 Peterson	673	684	684	757	646	659	669	571	518	Closed 1970 <sup>c</sup>
29 Moseley	No Post Office									
30 Reynaud	393	423	423	455	508	478	454	498	497	608
31 Brancepeth	598	557	557	538	556	498	527	558	547	Closed 1970
32 Hagen	840	848	848	956	880	937	963	918	1,325	1,774
33 Smuts	417	434	434	418	494	429	432	365	320	Closed 1970
34 Fairy Glen	758	847	847	1,053	934	792	840	799	922	1,484

See footnotes at end of table (continued)

TABLE 1.9 POST OFFICE REVENUE IN THE STUDY AREA, FISCAL YEARS 1962-63 TO 1970-71 (continued)

Delivery Point	Year Ending March 31	1963	1964	1965	1966	1967	1968	1969	1970	1971
- dollars -										
<i>Villages</i>										
35 Ethelton	925	936	1,048	1,037	1,034	925	943	1,013	1,212	
36 Lac Vert	1,324	1,387	1,501	1,370	1,388	1,297	1,264	1,368	1,942	
37 Fulda	573	630	777	822	797	729	736	764	1,138	
38 Tway	774	732	783	765	740	755	647	737	882	
39 Pleasantdale	1,753	1,860	1,856	1,674	1,782	1,702	1,735	1,706	2,634	
40 Beatty	1,294	1,275	1,293	1,391	1,388	1,473	1,421	1,683	2,271	
41 Brooksby	1,155	1,128	1,222	1,165	1,120	1,244	1,192	1,201	1,487	
42 Hoey	917	1,012	1,043	969	908	968	1,064	1,122	1,220	
43 Pathlow	1,055	1,095	1,060	1,185	1,125	1,177	969	1,025	1,452	
44 Elstow	820	799	875	885	927	965	816	941	1,732	
45 Meskanaw	1,129	1,167	1,245	1,314	1,370	1,456	1,448	1,277	1,649	
46 Pilger	1,504	1,395	1,489	1,535	1,526	1,456	1,523	1,545	2,232	
47 Crystal Springs	1,441	1,444	1,382	1,325	1,446	1,427	1,468	1,640	2,185	
48 Gronlid	1,737	1,797	1,853	1,778	1,642	1,761	1,658	1,609	2,615	
49 Carmel	1,119	1,207	1,373	1,332	1,256	1,118	1,129	1,217	1,969	
50 Weldon	2,659	2,710	2,921	2,956	3,037	3,126	3,089	3,446	4,494	
51 Meacham	1,635	1,658	1,836	1,625	1,727	1,928	1,908	1,916	2,705	
52 St. Benedict	1,617	1,644	1,721	1,834	1,756	1,762	1,944	1,960	2,652	
53 Ridgedale	1,870	1,924	1,998	1,755	1,561	1,712	2,042	2,257	3,364	
54 Prud'homme	2,808	2,825	3,207	3,190	3,091	2,909	3,109	3,267	4,198	
55 Muenster	5,012	5,224	6,335	6,667	8,516	8,167	7,185	10,988	10,792	
56 Alvena	1,602	1,501	1,592	1,492	1,633	1,815	1,814	1,703	2,419	
57 Domremy	3,222	3,417	3,471	3,361	3,339	3,368	3,384	4,038	4,861	
<i>Towns</i>										
58 Yellow Creek	1,897	2,061	2,087	2,160	1,950	1,848	1,943	2,095	3,178	
59 St. Louis	1,491	1,716	2,036	2,026	1,960	2,353	2,638	2,873	3,560	
60 Aberdeen	2,905	2,882	3,354	3,615	3,588	3,813	3,556	4,123	5,272	
61 Middle Lake	3,391	3,502	3,840	3,891	3,898	3,977	4,182	5,063	5,523	
62 Lake Lenore	3,427	3,513	3,979	3,907	3,974	4,339	4,533	5,322	6,099	
63 St. Brieux	3,782	3,939	4,422	4,351	4,287	4,408	4,279	5,019	6,980	
64 Vonda	2,754	2,977	3,190	2,914	3,160	3,051	3,076	3,483	4,208	
65 Viscount	3,837	3,969	4,333	4,465	4,798	5,293	5,069	5,523	6,457	
66 Star City	5,430	5,563	6,393	6,623	6,541	6,826	6,786	6,880	7,676	
67 Colonsay	3,692	3,244	3,635	4,524	4,460	5,525	7,112	6,537	7,834	

(continued)

See footnotes at end of table

TABLE 1.9 POST OFFICE REVENUE IN THE STUDY AREA, FISCAL YEARS 1962-63 TO 1970-71 (concluded)

Delivery Point	Year Ending March 31	1963	1964	1965	1966	1967	1968	1969	1970	1971
					- dollars -					
68 Bruno		6,205	6,051	6,921	6,693	7,146	7,823	7,826	8,224	11,144
69 Naicam		7,374	7,461	8,284	8,445	8,118	9,184	9,804	9,877	12,380
70 Cudworth		6,711	6,008	6,422	7,541	7,382	8,316	8,463	9,186	12,647
<i>Greater Towns</i>										
71 Kinistino		9,450	9,750	10,743	10,764	10,634	10,990	11,729	13,549	16,602
72 Birch Hills		6,839	7,303	7,855	7,896	7,865	8,968	8,597	9,758	12,821
73 Wakaw		8,182	7,875	8,861	9,218	9,388	10,220	9,934	11,725	14,506
74 Humboldt		38,155	38,223	40,466	42,132	43,381	44,911	47,892	53,664	61,922
75 Melfort		49,661	51,568	56,191	60,359	65,053	71,396	73,423	82,106	96,271

<sup>a</sup>Group postal boxes served by Melfort.

<sup>b</sup>Lipsett was served by the Pleasant Valley post office which closed in August 1970. Postal revenue in 1969-70 was \$322.

<sup>c</sup>Group postal boxes served by Bruno.

Source: Canada Post Office Department, Ottawa.

### Property Tax Assessment

Table 1.10 presents details of tax assessment for all of the 75 grain delivery points in the Melfort-Wakaw region. The purpose of this table is to indicate the relative importance of railway and railway associated properties to the tax base of a community. To convey this relationship, the assessment of railway right-of-way properties is taken as a percentage of the total tax assessment of the particular community. Right-of-way properties include trackage, warehouses, bulk fuel tanks, grain elevators, etc.

It generally happens that, the smaller a community is, the greater is the proportion of its tax base relating to right-of-way properties. This is clearly shown by a comparison of the proportions of tax assessment on right-of-way properties in communities "too small to classify" with those in towns and greater towns. In Rak, for example, assessment associated with the railway made up 100 percent of the total; whereas in Melfort it accounted for only 3.3 percent. This relationship, of course, reflects the diversification and growth of economic activities as centers become larger. Tax assessments of right-of-way properties at Silver Park and Tarnopol are a very small part of the total taxes because the grain elevators have been removed.

On the basis of community classifications for the study area, railway and railway associated assessments amount to the following percentages of the tax base: "too small to classify", 86.0 percent; hamlets, 75.0 percent; villages, 34.0 percent; towns, 15.0 percent; and greater towns, 5.0 percent. These calculations do not appear in Table 1.10.

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1971

	<i>Too Small to Classify</i>					
	1 Burton Lake	2 Clarkboro	3 Rak	4 Irvington	5 Thaxted	6 Waitville
	- dollars -					
<i>Right-of-Way Properties</i>						
Railway Property	*	*	*	*	*	*
Roadway	210	340	320	160	340	650
Other Land	-	-	-	-	-	330
Buildings	-	-	-	-	-	100
Business	-	-	-	-	-	-
Other Property						
Taxable Land	90	-	40	60	150	100
Taxable Buildings	4,730	-	5,570	8,210	15,290	8,470
Taxable Business	-	-	1,560	1,800	3,020	-
Total Assessment of R.O.W. Properties	5,030	340	7,490	10,230	18,800	9,650
<i>Non-Right-of-Way Properties</i>						
Taxable Land	-	-	-	-	120	650
Taxable Buildings	-	-	-	-	1,330	5,420
Taxable Business	-	-	-	-	-	30
Total Assessment of Non-Right-of-Way Properties	-	-	-	-	1,450	6,100
Total Tax Assessment	5,030	340	7,490	10,230	20,250	15,750
Percent of Tax Assessment derived from R.O.W. Properties	100.0	100.0	100.0	100.0	92.84	61.27

See footnotes at end of table

(continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1971 (continued)

	<i>Too Small to Classify (cont'd)</i>						
	7 Mileage 102.2	8 Tiger Hills	9 Rutan	10 Claggett	11 Leofnard	12 Totzke	
			- dollars -				
<i>Right-of-Way Properties</i>							
Railway Property							
Roadway	*	*	*	*	*	*	*
Other Land	-	320	380	490	580	390	390
Buildings	-	-	-	-	-	2,460	2,460
Business	-	-	-	-	-	100	100
Other Property							
Taxable Land	50	70	50	50	40	40	40
Taxable Buildings	12,760	10,960	12,220	5,450	11,620	9,010	9,010
Taxable Business	2,170	1,620	2,250	1,640	2,110	1,520	1,520
Total Assessment of R.O.W. Properties	14,980	12,970	14,900	7,630	14,350	13,520	13,520
<i>Non-Right-of-Way Properties</i>							
Taxable Land	-	-	50	-	210	-	-
Taxable Buildings	-	-	1,330	-	1,430	-	-
Taxable Business	-	-	-	-	-	-	-
Total Assessment of Non-Right-of-Way Properties	-	-	1,380	-	1,640	-	-
Total Tax Assessment	14,980	12,970	16,280	7,630	15,990	13,520	13,520
Percent of Tax Assessment derived from R.O.W. Properties	100.0	100.0	91.52	100.0	89.74	100.0	100.0

See footnotes at end of table

(continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1971 (continued)

	<i>Too Small to Classify (cont'd)</i>					
	13 Clemens	14 Lepine	15 Carpenter	16 Fenton	17 Bremen	18 Dixon
<i>Right-of-Way Properties</i>						
- dollars -						
Railway Property	*	*	*	*	*	*
Roadway	390	350	340	350	390	240
Other Land	-	-	340	210	-	-
Buildings	-	-	100	100	-	-
Business	-	-	-	-	-	-
Other Property						
Taxable Land	230	100	-	70	120	110
Taxable Buildings	1,650	16,160	-	10,490	18,680	15,080
Taxable Business	-	3,080	-	2,010	3,280	3,140
Total Assessment of R.O.W. Properties	2,270	19,690	780	13,230	22,470	18,570
<i>Non-Right-of-Way Properties</i>						
Taxable Land	150	30	350	740	1,190	330
Taxable Buildings	810	1,230	-	5,610	7,500	4,920
Taxable Business	-	-	-	150	90	-
Total Assessment of Non-Right-of-Way Properties	960	1,260	350	6,500	8,780	5,250
Total Tax Assessment	3,230	20,950	1,130	19,730	31,250	23,820
Percent of Tax Assessment derived from R.O.W. Properties	70.28	93.99	69.03	67.06	71.90	77.96

(continued)

See footnotes at end of table

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1971 (continued)

	Hamlets					
	19 Daylesford	20 Ens	21 Lenvale	22 Naisberry	23 Whitton	24 Silver Park
	- dollars -					
<i>Right-of-Way Properties</i>						
Railway Property						
Roadway	*	*	*	*	*	*
Other Land	390	420	360	410	390	410
Buildings	-	-	-	-	-	630
Business	-	-	-	-	-	100
Other Property						
Taxable Land	110	160	270	120	110	70
Taxable Buildings	17,490	25,200	24,340	20,800	20,120	-
Taxable Business	3,340	4,680	3,640	4,350	3,490	-
Total Assessment of R.O.W. Properties	21,330	30,460	28,610	25,680	24,110	1,210
<i>Non-Right-of-Way Properties</i>						
Taxable Land	260	310	170	90	180	1,760
Taxable Buildings	-	3,680	5,420	2,860	4,330	13,610
Taxable Business	-	660	-	-	800	1,590
Total Assessment of Non-Right-of-Way Properties	260	4,650	5,590	2,950	5,310	16,960
Total Tax Assessment	21,590	35,110	34,200	28,630	29,420	18,170
Percent of Tax Assessment derived from R.O.W. Properties	98.80	86.76	83.65	89.70	81.95	6.66
See footnotes at end of table						(continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 19/1 (continued)

	<i>Hamlets (cont'd)</i>					
	25 Resource	26 Tarnopol	27 Lipsett	28 Peterson	29 Moseley	30 Reynaud
	- dollars -					
<i>Right-of-Way Properties</i>						
Railway Property						
Roadway	*	*	*	*	*	*
Other Land	280	330	330	450	430	460
Buildings	310	340	90	-	280	2,240
Business	100	100	-	-	100	100
Other Property						
Taxable Land	160	-	130	140	200	110
Taxable Buildings	17,600	-	26,550	18,350	35,100	11,010
Taxable Business	3,120	-	3,650	4,110	6,310	1,760
Total Assessment of R.O.W. Properties	21,570	770	30,750	23,050	42,420	15,680
<i>Non-Right-of-Way Properties</i>						
Taxable Land	700	2,010	180	2,360	310	1,370
Taxable Buildings	13,590	12,960	1,840	27,350	5,080	17,160
Taxable Business	1,880	1,400	520	150	1,150	2,570
Total Assessment of Non-Right-of-Way Properties	16,170	16,370	2,540	29,860	6,540	21,100
Total Tax Assessment	37,740	17,140	33,290	52,910	48,960	36,780
Percent of Tax Assessment derived from R.O.W. Properties	57.15	4.49	92.37	43.56	86.64	42.64

See footnotes at end of table (continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1971 (continued)

	Hamlets (cont'd)				Villages	
	31 Brancepeth	32 Hagen	33 Smuts	34 Fairy Glen	35 Ethelton	36 Lac Vert
- dollars -						
<i>Right-of-Way Properties</i>						
Railway Property						
Roadway	*	*	*	*	*	*
Other Land	520	740	270	810	670	1,080
Buildings	320	630	450	300	1,990	2,570
Business	100	100	100	100	100	880
Other Property						
Taxable Land	290	590	180	560	400	840
Taxable Buildings	34,930	25,530	10,000	35,260	36,955	41,750
Taxable Business	6,270	3,290	-	4,120	6,240	6,290
Total Assessment of R.O.W. Properties	42,430	30,880	11,000	41,150	46,355	53,410
<i>Non-Right-of-Way Properties</i>						
Taxable Land	2,190	1,870	2,490	2,060	1,680	5,070
Taxable Buildings	18,310	28,960	14,840	25,460	22,140	50,570
Taxable Business	1,880	5,940	2,520	6,240	520	8,870
Total Assessment of Non-Right-of-Way Properties	22,380	36,770	19,850	33,760	24,340	64,510
Total Tax Assessment	64,810	67,650	30,850	74,910	70,695	117,920
Percent of Tax Assessment derived from R.O.W. Properties	65.47	45.65	35.66	54.93	65.57	45.29
See footnotes at end of table						(continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1971 (continued)

	<i>Villages (cont'd)</i>				
	37 Fulda	38 Tway	39 Pleasantdale	40 Beatty	41 Brooksby
					42 Hoey
<i>Right-of-Way Properties</i>					
Railway Property					
Roadway	*	*	*	1,680	*
Other Land	240	860	1,400	1,010	700
Buildings	310	580	3,190	1,860	1,800
Business	100	100	1,190	100	320
Other Property					
Taxable Land	620	310	950	800	430
Taxable Buildings	44,400	11,110	31,280	78,430	50,370
Taxable Business	6,860	3,820	4,800	13,020	5,500
Total Assessment of R.O.W. Properties	52,530	16,780	42,810	96,900	59,120
					79,400
<i>Non-Right-of-Way Properties</i>					
Taxable Land	2,270	6,820	11,530	8,950	3,110
Taxable Buildings	25,160	50,160	76,540	58,420	30,360
Taxable Business	7,010	7,620	9,920	2,950	7,810
Total Assessment of Non-Right-of-Way Properties	34,440	64,600	97,990	70,320	41,280
Total Tax Assessment	86,970	81,380	140,800	167,220	100,400
					159,050
Percent of Tax Assessment derived from R.O.W. Properties	60.40	20.62	30.40	57.95	58.88
					49.92

See footnotes at end of table

(continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1971. (continued)

	Villages (cont'd)					
	43 Pathlow	44 Elstow	45 Meskanaw	46 Pilger	47 Crystal Springs	48 Gronlid
	- dollars -					
Right-of-Way Properties						
Railway Property						
Roadway	*	1,550	*	2,050	*	*
Other Land	680	1,330	600	1,200	600	1,680
Buildings	3,230	2,640	1,680	470	2,910	1,650
Business	100	-	740	610	990	620
Other Property						
Taxable Land	400	830	360	650	330	1,360
Taxable Buildings	38,430	31,140	35,190	29,260	11,470	48,990
Taxable Business	7,290	5,480	6,510	4,630	2,280	10,230
Total Assessment of R.O.W. Properties	50,130	42,970	45,080	38,870	18,580	64,530
Non-Right-of-Way Properties						
Taxable Land	4,460	12,260	4,180	11,230	4,580	12,040
Taxable Buildings	36,160	76,980	47,240	86,270	46,660	111,520
Taxable Business	3,540	12,170	6,680	13,750	7,690	20,060
Total Assessment of Non-Right-of-Way Properties	44,160	101,410	58,100	111,250	58,930	143,620
Total Tax Assessment	94,290	144,380	103,180	150,120	77,510	208,150
Percent of Tax Assessment derived from R.O.W. Properties	53.17	29.76	43.69	25.89	23.97	31.00
See footnotes at end of table						(continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1971 (continued)

	<i>Villages (cont'd)</i>					
	49 Carmel	50 Weldon	51 Meacham	52 St. Benedict	53 Ridgedale	54 Prud'homme
	- dollars -					
<i>Right-of-Way Properties</i>						
Railway Property						
Roadway	*	2,730	3,000	1,480	1,740	1,560
Other Land	670	1,330	860	1,610	1,360	1,370
Buildings	3,310	2,150	1,650	3,790	3,810	2,230
Business	100	-	100	100	690	800
Other Property						
Taxable Land	380	1,150	690	1,490	1,180	1,190
Taxable Buildings	41,430	66,460	48,760	45,680	61,450	72,920
Taxable Business	9,640	12,720	7,970	10,960	14,110	12,080
Total Assessment of R.O.W. Properties	55,530	86,540	63,030	65,110	84,340	92,150
<i>Non-Right-of-Way Properties</i>						
Taxable Land	4,380	33,450	19,320	25,930	17,850	34,250
Taxable Buildings	52,200	193,850	120,010	148,580	115,090	198,520
Taxable Business	9,110	29,440	18,940	24,260	18,760	23,700
Total Assessment of Non-Right-of-Way Properties	65,690	256,740	158,270	198,770	151,700	256,470
Total Tax Assessment	121,220	343,280	221,300	263,880	236,040	348,620
Percent of Tax Assessment derived from R.O.W. Properties	45.81	25.21	28.48	24.67	35.73	26.43

See footnotes at end of table (continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1971 (continued)

	Villages (cont'd)				Towns	
	55 Muenster	56 Alvena	57 Domremy	58 Yellow Creek	59 St. Louis	60 Aberdeen
	- dollars -					
<i>Right-of-Way Properties</i>						
Railway Property						
Roadway	3,000	1,860	1,560	1,950	1,440	1,500
Other Land	940	1,120	2,320	920	830	1,450
Buildings	2,040	4,550	2,640	1,630	560	5,720
Business	920	670	960	740	620	1,390
Other Property						
Taxable Land	740	800	2,120	710	510	1,230
Taxable Buildings	40,400	48,880	84,850	28,980	35,500	49,840
Taxable Business	7,510	11,820	14,480	8,140	5,650	9,300
Total Assessment of R.O.W. Properties	55,550	69,700	108,930	43,070	45,110	70,430
<i>Non-Right-of-Way Properties</i>						
Taxable Land	30,110	20,380	29,920	27,380	40,830	53,100
Taxable Buildings	193,560	131,900	158,340	131,010	229,450	260,330
Taxable Business	24,920	12,650	48,040	24,660	27,720	36,270
Total Assessment of Non-Right-of-Way Properties	248,590	164,930	236,300	183,050	298,000	349,700
Total Tax Assessment	304,140	234,630	345,230	226,120	343,110	420,130
Percent of Tax Assessment derived from R.O.W. Properties	18.26	29.71	31.55	19.05	13.15	16.76
See footnotes at end of table						(continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1971 (continued)

	Towns (cont'd)					
	61 Middle Lake	62 Lake Lenore	63 St. Brieux	64 Vonda	65 Viscount	66 Star City
	- dollars -					
<i>Right-of-Way Properties</i>						
Railway Property						
Roadway	1,890	1,680	1,650	10,400	1,500	2,650
Other Land	1,270	2,810	2,180	5,570	5,840	3,020
Buildings	830	1,880	2,310	6,570	3,710	2,470
Business	350	800	710	1,130	100	1,930
Other Property						
Taxable Land	1,220	3,210	1,980	5,100	5,830	2,740
Taxable Buildings	48,340	122,100	83,840	79,580	74,370	87,990
Taxable Business	11,290	23,960	20,940	19,460	19,820	18,460
Total Assessment of R.O.W. Properties	65,190	156,440	113,610	127,810	111,170	119,260
<i>Non-Right-of-Way Properties</i>						
Taxable Land	45,870	44,690	44,570	224,870	57,810	124,380
Taxable Buildings	285,760	269,000	339,420	948,100	295,380	475,320
Taxable Business	38,250	54,750	48,350	126,960	41,770	64,870
Total Assessment of Non-Right-of-Way Properties	369,880	368,440	432,340	1,299,930	394,960	664,570
Total Tax Assessment	435,070	524,880	545,950	1,427,740	506,130	783,830
Percent of Tax Assessment derived from R.O.W. Properties	14.98	29.80	20.81	8.95	21.96	15.22

See footnotes at end of table (continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1971 (continued)

	Towns (cont'd)				Greater Towns	
	67 Colonsay	68 Bruno	69 Naicam	70 Cudworth	71 Kinistino	72 Birch Hills
	- dollars -					
<i>Right-of-Way Properties</i>						
Railway Properties						
Roadway	2,460	5,600	2,470	2,500	2,850	2,250
Other Land	1,730	3,560	10,610	4,930	6,680	4,440
Buildings	2,970	4,210	3,960	2,980	2,940	5,390
Business	1,970	2,460	1,440	690	1,590	2,040
Other Property						
Taxable Land	1,240	3,460	11,120	5,200	7,540	5,010
Taxable Buildings	36,090	77,930	143,340	72,170	137,420	100,500
Taxable Business	4,920	19,660	37,570	26,960	37,520	24,160
Total Assessment of R.O.W. Properties	51,380	116,880	210,510	115,430	196,540	143,790
<i>Non-Right-of-Way Properties</i>						
Taxable Land	66,660	137,920	164,050	153,190	177,930	160,470
Taxable Buildings	396,620	607,050	662,330	792,150	694,810	654,790
Taxable Business	67,440	103,820	122,860	109,410	156,190	120,010
Total Assessment of Non-Right-of-Way Properties	530,720	848,790	949,240	1,054,750	1,028,930	935,270
Total Tax Assessment	582,100	965,670	1,159,750	1,170,180	1,225,470	1,079,060
Percent of Tax Assessment derived from R.O.W. Properties	8.83	12.10	18.15	9.86	16.04	13.33
See footnotes at end of table						(continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA,  
1971 (concluded)

	Greater Towns (cont'd)		
	73 Wakaw	74 Humboldt	75 Melfort
	- dollars -		
<i>Right-of-Way Properties</i>			
Railway Property			
Roadway	10,400	12,250	14,780
Other Land	5,570	46,300	30,280
Buildings	6,570	18,430	25,700
Business	1,130	14,550	14,130
Other Property			
Taxable Land	5,100	33,670	35,780
Taxable Buildings	79,580	108,290	93,150
Taxable Business	19,460	38,550	76,540
Total Assessment of R.O.W. Properties	127,810	272,040	290,360
<i>Non-Right-of-Way Properties</i>			
Taxable Land	224,870	1,476,400	2,142,885
Taxable Buildings	948,100	4,193,395	5,243,950
Taxable Business	126,960	804,820	1,048,140
Total Assessment of Non-Right-of-Way Properties	1,299,930	6,474,615	8,434,975
Total Tax Assessment	1,427,740	6,746,655	8,725,335
Percent of Tax Assessment derived from R.O.W. Properties	8.95	4.03	3.33

R.O.W. - Right-of-Way  
\*Tax assessment of rail roadway property in unincorporated communities is included as part of total rural municipality tax assessments.

Source: Saskatchewan Department of Municipal Affairs, Regina.

### Carload Rail Traffic

The volume of rail traffic to and from a community is another indicator of economic activity; furthermore truck traffic should be considered for a more complete picture. The more people and service activities present in a community, the larger is the volume of freight traffic usually generated. Grain shipments at a particular delivery point depend on such interrelated factors as size of hinterland, number of permit holders, crop yields and domestic and export marketings.

Table 1.11 details the number of carloads shipped in and out of each delivery point in the study area from 1966 to 1971.<sup>1</sup> The traffic is broken up into five broad categories.

Delivery points "too small to classify" had very little traffic. It was mainly an outbound movement of grain and generally declined over time. At Bremen outbound traffic ranged from 67 carloads in 1969 to 196 carloads in 1971. The volume there was consistently more than at any other point "too small to classify".

Outbound shipments of grain dominated the rail traffic of hamlets. The few shipments of manufactures and products of mines and forest were mostly inbound. In 1971 the volume of traffic for hamlets ranged from 18 cars at Silver Park to 266 cars at Moseley. In total the carload traffic of hamlets decreased from 1966 to 1971. The elevator at Tarnopol has been closed since 1967.

Grain shipments also accounted for most of the outbound rail traffic of villages. Total movements outbound in 1971 ranged from 72 carloads at Crystal Springs to 511 carloads at Domremy. Compared with smaller centers, there were more inbound shipments of non-agricultural commodities in general and of manufactured products in particular. In most instances, inbound shipments for villages have been declining since 1966.

The traffic pattern for towns and greater towns remained essentially the same as it had been for hamlets and villages; that is, outbound grain was the most important commodity, outbound traffic exceeded inbound traffic, and inbound traffic was made up of a variety of products such as coal, lumber and building supplies, fertilizer, fuel oil, agricultural supplies and machinery. Of course there was more traffic in towns and greater towns than there was in smaller centers. In 1971 carload movements for places of this size ranged from 274 carloads at Middle Lake to 1,360 carloads at Humboldt.

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<sup>1</sup>Carload rail traffic data for C.N. points prior to 1966 were not available.

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
Too Small to Classify												
1 Burton Lake												
Products of Agriculture	-	-	-	-	-	-	-	1	-	2	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	2	-	4
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	1	-	-	-	-	-
Total	-	-	-	-	-	-	1	1	-	4	-	4
2 Clarkboro												
Products of Agriculture	-	-	-	1	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	1	-	-	-	-	-	-	-	-
Total	-	-	-	1	-	-	-	-	-	-	-	-
3 Rak												
Products of Agriculture	-	59	-	24	-	-	-	-	-	-	-	10
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	2	-	-	-	-	-	-	-	-	-	-	-
Total	2	59	-	24	-	-	-	-	-	-	-	10
4 Irvington												
Products of Agriculture	-	43	-	32	-	20	-	13	-	1	-	15
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	43	-	32	-	20	-	13	-	1	-	15
5 Thaxted												
Products of Agriculture	-	60	-	24	-	-	-	-	-	7	-	23
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	-	-	-	2	-	-	-	-	1	-	-
Total	1	60	-	24	2	-	-	-	-	8	-	23

- carloads -

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
6 Waitville												
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	2	-	3	-	-	1	-	-	1	-	-
Manufactures and Misc.	-	-	1	-	4	1	1	1	-	-	1	-
Total	-	2	1	3	4	1	2	1	-	1	1	-
7 Mileage 102.2												
Products of Agriculture	-	-	-	69	-	79	-	33	-	83	-	63
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	69	-	79	-	33	-	83	-	63
8 Tiger Hills												
Products of Agriculture	-	29	-	24	-	10	-	17	-	16	-	20
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	1	-	-	-	-	-	-	-	-
Total	-	29	-	25	-	10	-	17	-	16	-	20
9 Rutan												
Products of Agriculture	-	99	-	106	-	58	-	33	-	107	-	103
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	99	-	106	-	58	-	33	-	107	-	103
10 Claggett												
Products of Agriculture	-	56	-	38	-	25	-	17	-	17	-	25
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	-	-	-	-	-	-	-	-	1	-	-
Total	1	56	-	38	-	25	-	17	-	18	-	25

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
11 Leofnard												
Products of Agriculture	-	62	-	65	-	37	-	21	-	12	-	26
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	-	1	-	-	-	-	-	-	-	-	-
Total	1	62	1	65	-	37	-	21	-	12	-	26
12 Totzke												
Products of Agriculture	-	65	-	77	-	51	-	34	-	50	-	61
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	-	-	-	-	-	1	-	-	-	-	-
Total	1	65	-	77	-	51	1	34	-	50	-	61
13 Clemens												
Products of Agriculture	-	138	-	90	-	48	-	37	-	37	-	49
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	1	-	-
Products of Forests	-	-	1	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	3	-	5	-	1	1	1	-	1	-	-	-
Total	3	138	6	90	1	49	1	37	1	38	-	49
14 Lepine												
Products of Agriculture	-	103	-	112	-	74	-	66	-	74	-	106
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	1	-	1	-	-	-	-	-	-	-
Total	-	103	1	112	1	74	-	66	-	74	-	106
15 Carpenter												
Products of Agriculture	-	34	-	60	-	28	-	55	-	4	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	34	-	60	-	28	-	55	-	4	-	-

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In.	Out	In	Out	In	Out
16 Fenton							- carloads -					
Products of Agriculture	-	59	-	29	-	33	-	16	-	23	-	22
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	1	-	-	-	1	-
Total	-	59	-	29	-	33	1	16	-	23	1	22
17 Bremen												
Products of Agriculture	-	178	-	153	-	125	-	67	-	140	-	196
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	178	-	153	-	125	-	67	-	140	-	196
18 Dixon												
Products of Agriculture	-	149	-	104	-	112	-	64	-	101	-	110
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	1	-	-	-	-	-	-	-	-	-
Total	-	149	1	104	-	112	-	64	-	101	-	110
<i>Hamlets</i>												
19 Daylesford												
Products of Agriculture	-	134	-	72	-	54	-	51	-	71	-	80
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	1	-	-	-	1	-	-	-	-	-
Total	-	134	1	72	-	54	1	51	-	71	-	80
20 Ens												
Products of Agriculture	-	118	-	106	-	78	-	37	-	71	-	103
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	118	-	106	-	78	-	37	-	71	-	103

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
21 Lenvale												
Products of Agriculture	-	142	-	125	-	87	-	76	-	96	-	76
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	-	3	-	2	-	1	2	-	-	-	-
Total	1	142	3	125	2	87	1	78	-	96	-	76
22 Naisberry												
Products of Agriculture	-	143	-	112	-	97	-	83	-	130	-	106
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	1	-	2	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	5	-	5	-	9	-	4	-	-	-	1	-
Total	6	143	6	112	11	97	4	83	-	130	1	106
23 Whitcome												
Products of Agriculture	-	143	-	107	-	66	-	97	-	147	-	117
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	-	-	-	-	-	-	-	1	-	1	-
Total	1	143	-	107	-	66	-	97	1	147	1	117
24 Silver Park												
Products of Agriculture	-	48	-	26	-	25	-	29	-	24	-	18
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	1	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	1	-	-	-	-
Total	1	48	1	26	-	25	-	30	-	24	-	18
25 Resource												
Products of Agriculture	-	133	-	70	-	70	-	69	-	64	-	75
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	1	1	-	-	-	-
Total	-	133	-	70	-	70	1	70	-	64	-	75

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
26 Tarnopol												
Products of Agriculture	-	28	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	-	-	-	-	-	-	-	-	-	-	-
Total	1	28	-	-	-	-	-	-	-	-	-	-
27 Lipsett												
Products of Agriculture	-	178	-	128	-	125	-	93	-	166	-	202
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	1	-	-	-	-	-	-	-	-	-
Total	-	178	1	128	-	125	-	93	-	166	-	202
28 Peterson												
Products of Agriculture	-	151	-	153	-	102	-	80	-	130	-	194
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	4	-	2	-	-	-	1	2	-	-	1	-
Total	4	151	2	153	-	102	1	82	-	130	1	194
29 Moseley												
Products of Agriculture	-	266	-	156	-	200	-	99	-	171	-	266
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	5	-	6	-	6	-	2	-	2	-	-	-
Total	5	266	6	156	6	200	2	99	2	171	-	266
30 Reynaud												
Products of Agriculture	-	100	-	54	-	53	-	63	-	66	-	91
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	2	-	3	-	1	-	-	-	-	-	1	-
Total	2	100	3	54	1	53	-	63	-	66	1	91

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
31 Brancepeth												
Products of Agriculture	-	230	-	197	-	151	-	126	-	201	-	262
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	5	-	3	-	3	-	-	-	1	-	3	-
Total	5	230	3	197	3	151	-	126	1	201	3	262
32 Hagen												
Products of Agriculture	-	164	-	161	-	95	-	70	-	131	-	214
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	12	-	11	-	6	-	-	1	1	-	4	-
Total	12	164	11	161	6	95	-	71	1	131	4	214
33 Smuts												
Products of Agriculture	-	75	-	105	-	56	-	39	-	40	-	47
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	1	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	-	1	-	-	-	-	-	-	-	-	-
Total	1	75	1	105	-	56	-	40	-	40	-	47
34 Fairy Glen												
Products of Agriculture	1	165	-	180	-	100	-	77	-	155	-	139
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	3	-	2	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	3	-	5	1	3	1	-	-	1	-	-	-
Total	7	165	7	181	3	101	-	77	1	155	-	139
Villages												
35 Ethelton												
Products of Agriculture	-	289	-	191	-	152	-	119	-	218	-	282
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	6	-	8	-	8	-	3	-	1	-	2	-
Total	6	289	8	191	8	152	3	119	1	218	2	282

(continued)

See footnotes at end of table

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
36 Lac Vert												
Products of Agriculture	1	239	-	207	-	100	-	138	-	198	-	222
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	1	-	-	-	-	-	-	-	2	-	-	-
Manufactures and Misc.	4	-	4	3	3	-	-	-	1	-	-	-
Total	6	239	4	210	3	100	-	138	3	198	-	222
37 Fulda												
Products of Agriculture	-	267	-	275	-	135	-	143	-	235	-	279
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	-	-	-	-	-	-	1	-	2	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	1	-
Manufactures and Misc.	5	-	6	2	7	-	1	2	3	-	10	-
Total	6	267	6	277	7	135	1	145	4	235	13	279
38 Tway												
Products of Agriculture	-	56	-	67	-	34	-	42	-	75	-	90
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	2	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	3	-	1	-	1	-	-	-	-	-
Total	1	56	5	67	1	34	1	42	-	75	-	90
39 Pleasantdale												
Products of Agriculture	-	130	-	71	-	96	-	91	-	138	-	112
Animals and Products	-	2	-	-	-	-	-	-	-	-	-	-
Products of Mines	6	-	7	-	2	-	1	-	1	4	1	-
Products of Forests	3	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	4	-	4	1	3	-	2	3	-	-	3	-
Total	13	132	11	72	5	96	3	94	1	142	4	112
40 Beatty												
Products of Agriculture	-	397	-	237	-	308	-	223	-	437	-	497
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	7	-	8	-	10	-	2	-	4	-	5	-
Total	7	397	8	237	10	308	2	223	4	437	5	497

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
41 Brooksby												
Products of Agriculture	-	245	-	189	-	197	-	88	-	296	-	288
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	3	-	1	-	-	-	-	-	-	-	-	-
Products of Forests	11	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	14	245	8	189	3	197	3	88	2	296	6	288
Total			9		3		3		2		6	
42 Hoey												
Products of Agriculture	-	242	-	193	-	254	-	131	-	248	-	315
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	50	-	45	-	52	-	21	-	-	1	1	1
Manufactures and Misc.	50	242	45	193	52	254	21	131	-	249	1	316
Total			45		52		21		-		1	
43 Pathlow												
Products of Agriculture	-	179	-	117	-	96	-	116	-	171	-	192
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	5	-	3	-	4	-	1	-	-	-	2	-
Total	5	179	3	117	4	96	1	116	-	171	2	192
44 Elstow												
Products of Agriculture	-	173	-	152	-	99	-	93	-	65	-	99
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	6	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	-	9	-	6	-	-	1	1	-	2	-
Total	8	173	9	152	6	99	-	94	1	65	2	99
45 Meskanaw												
Products of Agriculture	-	209	-	131	-	131	-	94	-	166	-	216
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	11	-	9	-	3	-	1	-	3	-	2	-
Total	11	209	9	131	3	131	1	94	3	166	2	216

(continued)

See footnotes at end of table

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
46 Pilger												
Products of Agriculture	-	192	-	153	-	78	-	118	-	142	-	129
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	8	-	6	-	5	-	6	-	4	-	2	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	4	1	3	-	3	1	-	-	1	-	2	-
Total	12	193	9	153	8	79	6	118	5	142	4	129
47 Crystal Springs												
Products of Agriculture	-	95	-	106	-	44	-	63	-	72	-	72
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	2	-	1	-	1	-	2	-	1	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	2	1	2	-	1	-	-	-	-	-	-	-
Total	4	96	3	106	2	44	2	63	1	72	-	72
48 Gronlid												
Products of Agriculture	1	262	-	217	-	179	-	137	-	253	-	231
Animals and Products	1	1	-	-	-	-	-	-	-	-	-	-
Products of Mines	5	-	3	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	1	-	-	-
Manufactures and Misc.	45	3	40	4	35	-	29	1	21	-	1	-
Total	52	266	43	221	35	179	29	138	22	253	1	231
49 Carmel												
Products of Agriculture	-	246	-	278	-	209	-	141	-	203	-	292
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	2	-	2	-	2	-	3	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	13	-	10	-	4	-	-	-	2	-	-	-
Total	13	246	10	278	6	209	2	141	4	203	3	292
50 Weildon												
Products of Agriculture	-	348	-	278	-	298	-	212	-	396	-	446
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	9	-	5	-	3	-	3	-	-	-	-	-
Products of Forests	1	-	4	-	2	-	3	-	-	-	3	-
Manufactures and Misc.	22	-	9	-	6	2	4	-	2	-	5	-
Total	32	348	18	278	11	300	10	212	2	396	8	446

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
51 Meacham												
Products of Agriculture	-	412	-	341	-	276	-	156	-	322	-	427
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	6	-	19	-	5	-	1	-	3	-	2	-
Total	7	412	19	341	5	276	1	156	3	322	2	427
52 St. Benedict												
Products of Agriculture	-	189	-	231	-	119	-	109	-	229	-	263
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	4	-	2	-	2	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	33	2	30	1	27	5	25	4	19	2	29	-
Total	37	191	32	232	29	124	25	113	19	231	29	263
53 Ridgedale												
Products of Agriculture	-	289	-	187	-	256	-	161	-	362	-	339
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	6	-	4	-	4	-	3	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	59	-	58	-	54	-	51	-	40	-	32	-
Total	65	289	62	187	58	256	54	161	40	362	32	339
54 Prud'homme												
Products of Agriculture	-	310	-	293	-	273	-	148	-	273	-	415
Animals and Products	-	5	-	2	-	-	-	-	-	-	-	-
Products of Mines	5	-	6	-	3	-	5	-	-	-	-	-
Products of Forests	1	1	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	19	2	26	-	10	-	16	-	2	1	2	2
Total	25	318	32	295	13	273	21	148	2	274	2	417
55 Muenster												
Products of Agriculture	-	301	-	227	-	205	-	131	-	223	-	250
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	8	-	4	-	5	-	4	-	2	-	1	-
Products of Forests	1	-	1	-	8	-	14	-	8	-	2	-
Manufactures and Misc.	9	-	6	-	-	1	2	3	2	1	3	1
Total	18	301	11	227	21	206	20	134	12	224	6	251

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
56 Alvena												
Products of Agriculture	-	328	-	358	-	248	-	197	-	259	-	402
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	1	-	1	-	-	-	-	-	-	-
Products of Forests	2	-	1	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	10	-	17	-	5	-	2	-	-	-	-	2
Total	13	328	19	358	6	248	2	197	-	259	-	404
57 Domremy												
Products of Agriculture	-	411	-	390	-	307	-	238	-	392	-	511
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	15	-	10	-	7	-	6	-	4	-	1	-
Products of Forests	6	-	2	-	-	-	-	-	-	-	1	-
Manufactures and Misc.	52	-	45	-	38	-	10	-	3	-	4	-
Total	73	411	57	390	45	307	16	238	7	392	6	511
Towns												
58 Yellow Creek												
Products of Agriculture	-	167	-	148	-	122	-	131	-	202	-	234
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	7	-	3	-	3	-	5	-	3	-	5	-
Products of Forests	1	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	31	2	54	-	9	2	5	3	5	1	4	1
Total	39	169	57	148	12	124	10	134	8	203	9	235
59 St. Louis												
Products of Agriculture	-	160	-	145	-	165	-	88	-	169	-	248
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	22	-	6	-	1	-	2	-	-	-	-	-
Total	22	160	6	145	1	165	2	88	-	169	-	248
60 Aberdeen												
Products of Agriculture	-	482	-	447	-	253	-	213	-	310	-	554
Animals and Products	-	-	-	-	-	2	-	-	-	-	-	-
Products of Mines	8	-	4	-	1	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	8	-	18	-	2	-	11	-	-	-	1	-
Total	16	482	22	447	3	255	11	213	-	310	1	554

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
61 Middle Lake	-	186	-	103	-	123	-	102	-	209	-	234
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	2	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	3	-	3	-	1	-	-	-	1	-	-	-
Products of Forests	58	1	59	3	56	1	36	-	30	-	40	-
Manufactures and Misc.	63	187	62	106	57	124	36	102	31	209	40	234
Total												
62 Lake Lenore	-	730	-	455	-	493	-	369	-	640	-	900
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	9	-	6	-	6	-	6	-	4	-	5	-
Products of Mines	5	-	2	-	-	-	7	-	2	-	4	-
Products of Forests	71	-	58	-	47	-	51	-	18	-	18	-
Manufactures and Misc.	85	730	66	455	53	493	64	369	24	640	27	900
Total												
63 St. Brieux	-	386	-	278	-	248	-	237	-	377	-	439
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	8	-	4	-	3	-	4	-	3	-	3	-
Products of Mines	3	-	2	-	2	-	1	-	2	-	3	-
Products of Forests	122	-	105	-	91	2	84	2	37	-	42	-
Manufactures and Misc.	133	386	111	278	96	250	89	239	42	377	48	439
Total												
64 Vonda	-	335	-	360	-	178	-	228	-	262	-	441
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	7	-	5	-	2	-	4	-	3	-	5	-
Products of Mines	1	-	1	-	1	-	1	-	1	-	-	-
Products of Forests	44	-	27	-	48	-	36	-	34	-	31	1
Manufactures and Misc.	52	335	33	360	51	178	41	228	38	262	36	442
Total												
65 Viscount	-	253	-	153	-	157	-	115	-	201	-	254
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	1	-	-	-	-	-	-	-
Products of Mines	11	-	27	-	6	-	-	-	1	-	-	-
Products of Forests	145	1	292	3	545	5	121	9	56	-	68	-
Manufactures and Misc.	156	254	319	156	552	162	121	124	57	201	68	254
Total												

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
66 Star City												
Products of Agriculture	-	383	-	223	-	244	-	236	-	387	-	443
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	9	-	8	-	7	-	10	-	10	-	9	-
Products of Forests	7	-	6	-	3	-	-	-	-	-	-	-
Manufactures and Misc.	22	-	17	-	11	-	5	2	2	-	4	-
Total	38	383	31	223	21	244	15	238	12	387	13	443
67 Colonsay												
Products of Agriculture	-	267	-	200	-	111	1	112	-	228	15	264
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	9	1	7	-	3	-	2	-	3	-	3	1
Products of Forests	4	-	2	-	5	-	7	-	7	-	10	-
Manufactures and Misc.	127	-	92	1	70	-	52	3	40	-	35	1
Total	140	268	101	201	78	111	62	115	50	228	63	266
68 Bruno												
Products of Agriculture	-	421	-	356	-	361	-	150	-	326	-	503
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	6	-	5	-	2	-	4	-	2	-	2	-
Products of Forests	2	-	3	-	2	-	2	-	1	-	1	-
Manufactures and Misc.	103	5	88	-	54	-	72	-	95	1	101	2
Total	111	426	96	356	58	361	78	150	98	327	104	505
69 Naicam												
Products of Agriculture	-	502	-	428	-	310	-	267	-	573	-	580
Animals and Products	-	-	-	1	-	-	-	-	-	-	-	-
Products of Mines	12	-	3	-	-	-	-	-	-	-	-	-
Products of Forests	10	-	7	-	24	-	12	-	8	-	6	-
Manufactures and Misc.	219	-	167	1	149	-	106	2	75	-	92	-
Total	241	502	177	430	173	310	118	269	83	573	98	580
70 Cudworth												
Products of Agriculture	-	345	-	371	-	275	-	197	-	324	-	509
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	13	-	9	-	6	-	6	-	5	-	7	-
Products of Forests	6	-	3	-	5	-	-	-	2	-	-	-
Manufactures and Misc.	78	3	95	-	93	2	28	1	38	2	28	-
Total	97	348	107	371	104	277	34	198	45	326	35	509

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
Greater Towns												
71 Kinistino												
Products of Agriculture	-	642	-	414	-	474	-	366	-	690	-	727
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	10	-	8	-	5	-	4	-	6	-	6	-
Products of Forests	3	-	5	-	4	-	9	-	5	-	3	-
Manufactures and Misc.	127	-	132	-	93	-	93	-	81	-	108	-
Total	140	642	145	414	102	474	106	366	92	690	117	727
72 Birch Hills												
Products of Agriculture	-	516	-	405	-	353	-	277	-	519	-	634
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	11	-	7	-	7	-	5	-	6	-	4	-
Products of Forests	7	-	2	-	2	-	1	-	2	-	6	-
Manufactures and Misc.	90	-	97	3	60	-	58	-	55	-	69	-
Total	108	516	106	408	69	353	64	277	63	519	79	634
73 Wakaw												
Products of Agriculture	-	283	-	299	-	230	-	177	-	296	-	500
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	7	-	5	-	4	-	4	-	4	-	3	-
Products of Forests	4	-	4	-	3	-	4	-	8	-	4	-
Manufactures and Misc.	76	-	70	-	66	-	45	1	12	1	15	1
Total	87	283	79	299	73	230	53	178	24	297	22	501
74 Humboldt (C.P.)												
Products of Agriculture	1	1	2	2	-	-	2	2	3	4	1	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	-	-	-	-	-	-	-	-	-	1
Products of Forests	17	-	13	-	27	-	3	-	3	-	8	-
Manufactures and Misc.	64	1	45	-	32	1	23	-	8	3	15	-
Total	83	2	60	2	59	1	28	2	14	7	24	1
74 Humboldt (C.N.)												
Products of Agriculture	-	550	-	615	-	588	-	642	61	931	89	1,134
Animals and Products	-	13	-	3	-	-	-	-	-	-	-	-
Products of Mines	10	-	7	-	4	-	2	-	3	-	4	-
Products of Forests	4	-	4	-	9	-	8	-	14	-	15	-
Manufactures and Misc.	271	4	343	3	260	4	224	4	103	3	91	2
Total	285	567	354	621	273	592	234	646	181	934	199	1,136

(continued)

See footnotes at end of table

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (concluded)

Delivery Point	1966		1967		1968		1969		1970		1971 *	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
75 Melfort (C.P.)												
Products of Agriculture	12	110	11	54	7	82	8	157	7	416	7	451
Animals and Products	-	-	1	-	-	-	-	-	-	-	-	-
Products of Mines	8	-	5	1	4	-	11	-	5	-	1	-
Products of Forests	31	-	40	-	14	-	14	-	15	-	15	-
Manufactures and Misc.	204	1	219	2	141	2	121	2	90	2	78	-
Total	255	111	276	57	166	84	154	159	117	418	101	451
75 Melfort (C.N.)												
Products of Agriculture	-	185	-	153	3	133	3	120	6	234	-	258
Animals and Products	-	5	-	5	-	-	-	-	-	-	-	-
Products of Mines	14	-	14	-	10	-	3	-	8	-	3	-
Products of Forests	40	-	31	-	9	-	6	-	6	-	7	-
Manufactures and Misc.	442	-	349	-	270	5	247	13	209	-	261	-
Total	496	190	394	158	292	138	259	133	229	234	271	258
Products of Agriculture -												
Animals and Products -												
Products of Mines -												
Products of Forests -												
Manufactures and Miscellaneous -												
All grains, seeds, flour, hay and straw, fruits and vegetables, etc.												
All livestock, poultry, meats, fish, dairy products, etc.												
Coal, mineral ores and concentrates, cement, brick, asphalt, etc.												
Logs, lumber, all processed natural wood, plywood, shingles, pulpwood, etc.												
Petroleum products, chemicals, fertilizer, machinery and parts, vehicles, furniture, food and feed products, woodpulp, newsprint paper, etc.												

Source: Canadian National Railways, Freight Sales, Winnipeg, Manitoba.  
Canadian Pacific Railways, Department of Research, Montreal, Quebec.

### Railway Freight Density

For purposes of internal management, the railway companies keep detailed records of the tonnage of revenue freight on each mile of track every year. Figure 1.2 puts this information for 1968 on a railway network map of northern Saskatchewan which includes the Melfort-Wakaw study area.

The data in Figure 1.2 are expressed in thousands of net tons of freight per mile of line and the map indicates where traffic is heavy and where it is light. Some transport authorities measure the profitability of railway lines by their traffic density or by the traffic they generate. These measurements, however, do not consider the nature of the traffic or the rates charged. Despite the shortcomings of using such methods, the map in Figure 1.2 is coded to show lower density lines where the freight was less than 100,000 net tons per mile of road and higher density lines where the freight was more than 100,000 net tons per mile of road in 1968.

The traffic density in the study area in 1968 ranged from 19,000 net tons on the Cudworth subdivision to over 1.1 million net tons on the Aberdeen subdivision. With 30,000 net tons per mile, the Meskanaw subdivision was considered to be a light density line.

It may be said that three kinds of rail line operations generally exist: namely, those that are profitable, those that are unprofitable and those that are not clearly profitable or unprofitable. In the United States, the Federal Railroad Administration is attempting to establish "automatic" minimum, quantifiable standards for determining unprofitability and, therefore, abandonment. One such proposed standard is the 34-car rule which essentially states that a rail line is uneconomic if it carries less than 34 carloads of freight per mile of track each year. This rule, like traffic density measurement, does not take into account the nature of the freight carried or the revenue earned.



### Highway Transportation Services

Truck traffic data similar to railway statistics for volume of commodities moving to and from each community were not available. Most communities, however, are served by one or more trucking companies. The names of for-hire common and contract carriers servicing each center are listed in Table 1.12. Excluded from this list are, of course, farm trucks as well as private urban and private intercity truckers.

Only five of the communities "too small to classify" had trucking service. Eight of the 16 hamlets were served by truckers. All but two of the villages, Meskanaw and Alvena, and all towns and greater towns were served by at least one trucking company.

TABLE 1.12 TRUCK SERVICES BY COMMUNITY, 1971

Delivery Point	For-hire Carriers										Sask. Transportation Company
	Canadian National Transport	Bruno Transport	Saskatoon Star Transfer Ltd.	Gerry's Transport	Wilson Trucking Services	Hudson's Transport	Franklin Transport	Eastern Transport	C.P. Transport	Ridsdale Transport	
<i>Too Small to Classify</i>											
5 Thaxted			X				X				
6 Waitville				X							
8 Tiger Hills				X							
11 Leafnord						X					
12 Totzke		X									
<i>Hamlets</i>											
20 Ens						X					
22 Naisberry			X								
26 Tarnopol				X							
28 Peterson		X									
30 Reynaud				X							
31 Brancepeth			X		X						
32 Hagen			X		X						
34 Fairy Glen			X				X				
<i>Villages</i>											
36 Lac Vert								X			
37 Fulda		X		X							
38 Tway				X							
39 Pleasantdale								X			
40 Beatty			X		X						
41 Brooksby							X				
42 Hoey						X					X
43 Pathlow	X										
44 Elstow									X	X	
46 Pilger		X		X							
47 Crystal Springs				X							
48 Gronlid			X				X				
49 Carmel	X	X									
50 Weldon		X	X		X						X
51 Meacham		X									
52 St. Benedict		X		X							
53 Ridgedale			X				X				
54 Prud'homme	X	X									X
55 Muenster	X					X		X			
57 Domremy	X										

(continued)

TABLE 1.12 TRUCK SERVICES BY COMMUNITY, 1971 (concluded)

Delivery Point	For-hire Carriers										Sask. Transportation Company
	Canadian National Transport	Bruno Transport	Saskatoon Star Transfer Ltd.	Gerry's Transport	Wilson Trucking Services	Hudson's Transport	Franklin Transport	Eastern Transport	C.P. Transport	Ridsdale Transport	
<i>Towns</i>											
58 Yellow Creek				X							
59 St. Louis	X					X					X
60 Aberdeen	X	X									X
61 Middle Lake		X		X							
62 Lake Lenore	X	X									
63 St. Brieux	X										
64 Vonda	X	X									
65 Viscount									X	X	X
66 Star City	X									X	X
67 Colonsay									X	X	X
68 Bruno	X	X									
69 Naicam								X			X
70 Cudworth	X					X					X
<i>Greater Towns</i>											
71 Kinistino			X		X						X
72 Birch Hills			X		X						X
73 Wakaw	X					X					X
74 Humboldt	X			X							X
75 Melfort	X		X		X						X

Source: Saskatchewan Shipper's Directory, 1971.

## PART II

### GRAIN PRODUCTION CHARACTERISTICS

#### Soil Capability for Agriculture<sup>1</sup>

The study area encompasses about 3.4 million acres of farmland in the Saskatchewan Plains Region which is on the Second Prairie Steppe. The main physiographic areas are the Minichinas Hills, the Birch Hills, the Lake Lenore Uplands and part of the Carrot River Lowlands. Elevation ranges from over 1,000 feet above sea level on the Carrot River Lowlands to 2,000 feet on the Minichinas Hills. The western and northern parts of the study area are drained by the South Saskatchewan and Carrot Rivers and by numerous small creeks that flow to the northeast. Runoff from the rest of the area drains into local lakes and sloughs throughout the area.

Black and Dark Grey Chernozemic soils occupy about 75 percent of the area and are among the most productive soils in Saskatchewan. Those rated as Class 1 soils, like those at Melfort, Kinistino, Hoey, Lake Lenore and Naicam, have no significant cropping limitations. Other soils, like the Dark Brown soils, are reduced to Class 2 mainly because of insufficient water-holding capacity. The limitations of Class 3 soils are more severe but many of these can, at least in part, be overcome by good management practices.

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<sup>1</sup>For a more detailed description of topography, soil capability and climate in the area see the Canada Land Inventory, Soil Capability for Agriculture maps for Melfort and Prince Albert inserted into the envelope inside the back cover. See also J.H. Richards and K.I. Fung, Atlas of Saskatchewan, Saskatoon, University of Saskatchewan, 1969.

### Sample Aerial Photos

Figures 2.1 and 2.2 show aerial photos of the Wakaw-Domremy and the Fairy Glen-Whittome areas respectively. These photos were taken in the summer of 1970 for use by the Prairie Farm Assistance Administration in their involvement with Operation LIFT. The purpose of including these photos is simply by way of example to show the kind of aerial photos that are available of the entire Prairie region. Landmarks such as communities, railroads and highways have been identified on the figures.

It is interesting to compare these photos to the soil capability maps referred to earlier and to Saskatchewan soil survey maps.<sup>1</sup> The Class 1 and 2 soils in the Wakaw-Domremy area consist of the Blaine Lake, Cudworth and Whitewood associations. These loam and silty loam soils are medium to heavy textured formed on glacial lake and till deposits. The Class 1 and 2 soils in the Fairy Glen-Whittome area are also medium to heavy textured. They consist mainly of silty clay and silty clay loam material of the Melfort soil association.

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<sup>1</sup>Soil Survey of Southern Saskatchewan, Report No. 12, University of Saskatchewan, Saskatoon, June, 1944.

Rge 27

Rge 26

Domremy

CNR

Twp. 44

Twp. 43

Ens

CNR

Scale in Miles

0

1

2

Twp. 42

Wakaw

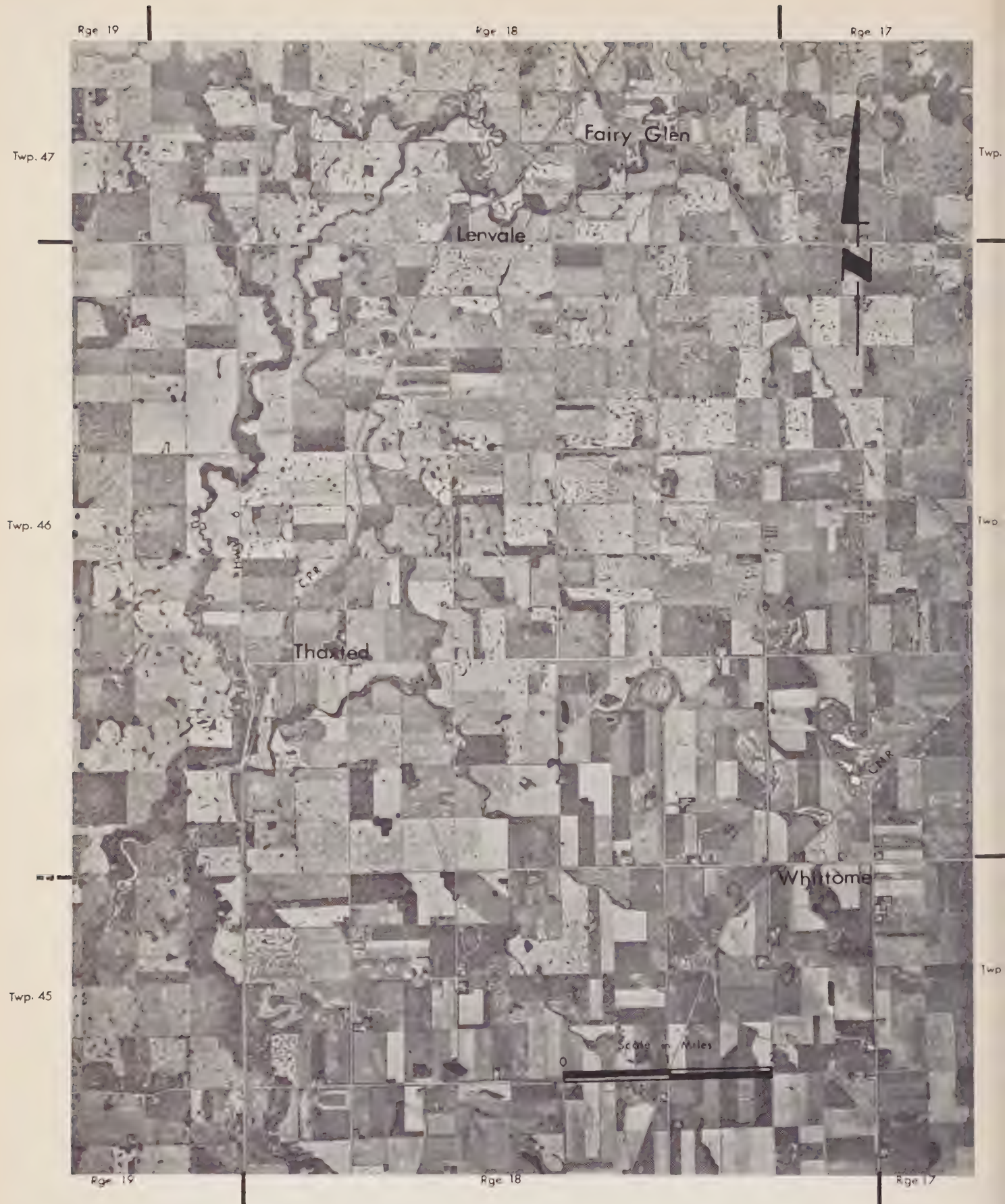
CNR

Rge 27

Rge 26

# AERIAL VIEW OF WAKAW - DOMREMY AREA

Figure 2.1



## AERIAL VIEW OF FAIRY GLEN-WHITTOME AREA

Figure 2.2

### Temperature Norms and Extremes

Table 2.1 shows temperature norms and extremes at three meteorological stations, two being within the study area and one being just outside the area at Rosthern.

In July the mean daily temperatures were 66.1°F at Rosthern and 64.7°F at both Humboldt and Melfort. In January the same mean reading was -2.3°F at Melfort and -1.6°F at Rosthern. Humboldt and Melfort at 106°F had the highest temperature of the year in the month of July, whereas Humboldt and Rosthern at -59°F had the lowest reading of the year in January. On the whole the climate in the region is continental with warm summers and cold winters.

The annual growing season is between 158 and 168 days and the average frost-free period is from 80 - 90 days.<sup>1</sup>

### Precipitation

Table 2.2 provides monthly and yearly averages covering rainfall, snowfall and total precipitation for the meteorological stations at Humboldt, Melfort and Rosthern. The average annual precipitation ranges from 13.2 inches at Humboldt to 16.1 inches at Melfort and approximately 65 percent of it occurs in the five months from May to September. Precipitation is heaviest in the month of June. Almost three-quarters of total precipitation, 70 percent, is in the form of rain.

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<sup>1</sup>Map: Soil Capability for Agriculture, Canada Land Inventory, (Melfort-73A), Queen's Printer, Ottawa, Ontario, 1967.

TABLE 2.1 TEMPERATURE NORMS AND EXTREMES FOR SPECIFIED METEOROLOGICAL STATIONS

Meteorological Station	January	February	March	April	May	June	July	August	September	October	November	December	Year
	- degrees Fahrenheit -												
Humboldt <sup>a</sup>													
Mean Daily Maximum <sup>b</sup>				46.4	62.6	69.7	77.0	74.5	62.9	49.8			
Mean Daily Minimum <sup>b</sup>				25.9	38.1	46.5	52.3	49.0	39.3	28.7			
Mean Daily Temperature <sup>b</sup>				36.2	50.4	58.1	64.7	61.8	51.1	39.3			
Maximum Temperature <sup>c</sup>	47	59	69	90	96	100	106	101	94	88	72	50	106
Minimum Temperature <sup>c</sup>	-59	-52	-51	-21	2	14	22	18	10	-2	-26	-49	-59
Melfort													
Mean Daily Maximum <sup>b</sup>	7.4	13.4	25.7	46.0	63.9	70.7	77.8	74.7	63.5	49.7	27.4	14.4	44.6
Mean Daily Minimum <sup>b</sup>	-12.0	-7.1	4.4	24.6	37.9	45.9	51.6	48.4	38.8	28.1	11.1	-3.9	22.3
Mean Daily Temperature <sup>b</sup>	-2.3	3.2	15.1	35.3	50.9	58.3	64.7	61.6	51.2	38.9	19.3	5.3	33.5
Maximum Temperature <sup>d</sup>	58	51	68	90	95	100	106	101	99	90	78	50	106
Minimum Temperature <sup>d</sup>	-52	-50	-35	-31	13	23	20	22	11	-12	-29	-48	-52
Rosthern													
Mean Daily Maximum <sup>e</sup>	7.1	12.4	26.2	47.5	66.6	72.3	79.2	75.2	63.5	49.6	27.5	14.3	45.1
Mean Daily Minimum <sup>e</sup>	-10.2	-7.4	6.8	26.6	39.7	47.1	52.9	49.2	40.7	28.7	11.8	-1.0	23.7
Mean Daily Temperature <sup>e</sup>	-1.6	2.5	16.5	37.0	53.2	59.7	66.1	62.2	52.1	39.2	19.7	6.7	34.4
Maximum Temperature <sup>f</sup>	43	44	62	87	97	101	103	99	92	85	62	49	103
Minimum Temperature <sup>f</sup>	-59	-48	-34	-34	15	22	31	30	8	-12	-31	-51	-59

<sup>a</sup>Humboldt is a summer station only.

<sup>b</sup>Norms were computed directly from a period of record of 25-30 years within the period 1931-1960. In most cases the record existed over the full 30 years.

<sup>c</sup>Extremes are for 50-59 years.

<sup>d</sup>Extremes are for 60-69 years.

<sup>e</sup>These averages are based on the period of record of 10-24 years during the period 1931-1960. No adjustment factor has been used.

<sup>f</sup>Extremes are for 40-49 years.

Source: Temperature and Precipitation Tables for Prairie Provinces, Vol. 111, Canada Department of Transport, Meteorological Branch, Toronto, Ontario, 1967.

TABLE 2.2 MONTHLY AND ANNUAL AVERAGE PRECIPITATION FOR SPECIFIED METEOROLOGICAL STATIONS

Meteorological Station	January	February	March	April	May	June	July	August	September	October	November	December	Year
	- inches -												
Humboldt													
Mean Rainfall <sup>a</sup>	0.00	0.00	0.02	0.44	1.14	2.81	1.91	1.64	1.21	0.42	0.07	0.01	9.67
Mean Snowfall <sup>a</sup>	5.1	3.4	8.2	4.3	0.9	0.0	0.0	0.0	0.2	2.6	5.0	5.1	34.8
Mean Total Precipitation <sup>b</sup>	0.51	0.34	0.84	0.87	1.23	2.81	1.91	1.64	1.23	0.68	0.57	0.52	13.15
Melfort													
Mean Rainfall <sup>c</sup>	0.01	0.01	0.01	0.55	1.36	2.75	2.41	1.88	1.60	0.64	0.14	0.01	11.37
Mean Snowfall <sup>c</sup>	7.7	6.3	8.7	3.7	0.8	0.0	0.0	0.0	0.4	3.7	9.2	6.7	47.2
Mean Total Precipitation <sup>b</sup>	0.78	0.64	0.88	0.92	1.44	2.75	2.41	1.88	1.64	1.01	1.06	0.68	16.09
Rosthern													
Mean Rainfall <sup>a</sup>	0.00	0.00	0.05	0.49	0.99	2.55	2.09	1.86	1.41	0.47	0.06	0.02	9.99
Mean Snowfall <sup>a</sup>	6.0	5.0	7.6	4.4	0.2	0.0	0.0	0.0	0.2	3.9	8.2	8.4	43.9
Mean Total Precipitation <sup>b</sup>	0.60	0.50	0.81	0.93	1.01	2.55	2.09	1.86	1.43	0.86	0.88	0.86	14.38

<sup>a</sup>These averages are based on a period of record of 10-24 years during the period 1931-1960. No adjustment factor was used.

<sup>b</sup>Total precipitation measured in inches of rain. Ten inches of snow equals one inch of rain.

<sup>c</sup>Norms were computed directly from a period of record of 25-30 years within the period 1931-1960. In most cases the record existed over the full 30 years.

Source: Temperature and Precipitation Tables for Prairie Provinces, Vol. III, Canada Department of Transport, Meteorological Branch, Toronto, Ontario, 1967.

### Hail Insurance

Table 2.3 contains information obtained from the Saskatchewan Municipal Hail Association. It relates to the annual number of claims filed, acres insured and acres on which damage was claimed by municipalities in the study area from 1962 to 1971. Over this ten-year period, an average of 385,136.8 acres were insured yearly. Claims for crop damage on insured acres ranged from 1.5 percent in the municipality of Star City to 14.8 percent in the municipality of St. Louis. For the study area in the same period, claims for crop damage averaged 39,626 acres or 10.3 percent of insured acres; also the percent of insured acres on which damage was claimed each year ranged from a low of 2.1 percent to a high of 27.3 percent. The municipalities of Star City and Birch Hills averaged less than one claim per year while the municipalities of Viscount and Colonsay averaged more than 40 claims per year.

TABLE 2.3 SASKATCHEWAN MUNICIPAL HAIL INSURANCE: NUMBER OF CLAIMS FILED, ACRES INSURED AND ACRES ON WHICH DAMAGE CLAIMED IN THE STUDY AREA, 1962 TO 1971

Rural Municipality	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	Avg./Yr.
340. Wolverine											
Number of Claims Filed	2	85	27	41	35	0	3	3	35	22	25.3
Acres Insured	35,114	37,584	40,303	40,645	42,133	40,500	40,814	39,299	24,999	36,746	37,813.7
Acres on Which Damage Claimed	302	11,784	4,020	5,745	6,136	0	715	143	4,597	3,783	3,722.5
Percent	0.9	31.4	10.0	14.1	14.6	0	1.8	0.4	18.4	10.3	9.8
341. Viscount											
Number of Claims Filed	51	150	61	16	29	6	4	29	67	7	42.0
Acres Insured	51,564	51,809	55,128	52,421	58,361	57,042	55,581	54,260	35,503	59,069	53,073.8
Acres on Which Damage Claimed	8,942	21,286	8,721	2,158	4,730	880	680	5,110	9,746	1,170	6,342.3
Percent	17.3	41.1	15.8	4.1	8.1	1.5	1.2	9.4	27.5	2.0	11.9
342. Colonsay											
Number of Claims Filed	51	144	26	18	22	13	4	65	66	30	43.9
Acres Insured	44,523	51,940	54,716	55,087	58,122	59,703	55,415	53,005	34,075	58,340	52,492.6
Acres on Which Damage Claimed	8,090	22,509	3,898	4,110	5,881	1,404	631	10,245	8,204	6,887	7,185.9
Percent	18.2	43.3	7.1	7.5	10.1	2.4	1.1	19.3	24.1	11.8	13.7
343. Blucher											
Number of Claims Filed	18	113	9	49	31	9	1	27	10	4	27.1
Acres Insured	62,863	71,202	66,410	68,886	73,865	75,019	72,093	65,354	48,943	71,978	67,661.3
Acres on Which Damage Claimed	3,286	21,224	1,155	10,071	7,154	1,738	70	4,369	1,006	330	5,040.3
Percent	5.2	29.8	1.7	14.6	9.7	2.3	0.1	6.7	2.1	0.5	7.4
368. Spalding											
Number of Claims Filed	1	24	11	17	11	10	4	6	2	4	9.0
Acres Insured	11,351	16,747	18,115	15,490	14,946	16,654	19,062	17,411	12,256	16,984	15,901.6
Acres on Which Damage Claimed	100	4,349	1,713	3,083	1,260	1,531	738	865	237	645	1,452.1
Percent	0.9	26.0	9.5	19.9	8.4	9.2	3.9	5.0	1.9	3.8	9.1
398. Pleasantdale											
Number of Claims Filed	0	0	1	2	20	1	0	0	0	0	2.4
Acres Insured	515	2,026	2,721	2,141	3,017	3,441	3,475	3,534	2,916	2,214	2,600.0
Acres on Which Damage Claimed	0	0	202	175	2,158	170	0	0	0	0	270.5
Percent	0	0	7.4	8.2	71.5	4.9	0	0	0	0	10.4
428. Star City											
Number of Claims Filed	0	0	0	0	2	0	0	3	2	2	0.9
Acres Insured	4,227	8,404	8,485	8,195	8,141	8,488	9,096	8,671	7,602	9,980	8,128.9
Acres on Which Damage Claimed	0	0	0	0	434	0	0	300	125	325	118.4
Percent	0	0	0	0	5.3	0	0	3.5	1.6	3.3	1.5

(continued)

TABLE 2.3 SASKATCHEWAN MUNICIPAL HAIL INSURANCE: NUMBER OF CLAIMS FILED, ACRES INSURED AND ACRES ON WHICH DAMAGE CLAIMED IN THE STUDY AREA, 1962 TO 1971 (continued)

Rural Municipality	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	Avg./Yr.
458. Willow Creek											
Number of Claims Filed	0	0	0	1	1	0	0	0	3	11	1.6
Acres Insured	484	372	415	552	1,384	2,318	4,146	3,645	4,230	5,079	2,262.5
Acres on Which Damage Claimed	0	0	0	200	100	0	0	0	465	1,378	214.3
Percent	0	0	0	36.2	7.2	0	0	0	11.0	27.1	9.5
369. St. Peter											
Number of Claims Filed	2	30	49	11	8	26	4	6	8	4	14.8
Acres Insured	3,927	17,350	21,703	23,711	22,874	20,447	20,115	18,258	14,941	17,155	18,048.1
Acres on Which Damage Claimed	175	3,554	7,126	1,534	1,466	5,229	759	250	868	507	2,146.8
Percent	4.5	20.5	32.8	6.5	6.4	25.6	3.8	1.4	5.8	3.0	11.9
370. Humboldt											
Number of Claims Filed	0	7	64	26	11	42	4	14	5	23	19.6
Acres Insured	6,084	22,016	25,587	24,947	24,607	23,249	23,561	22,918	17,810	20,720	21,149.9
Acres on Which Damage Claimed	0	778	8,286	3,368	1,987	9,152	757	1,254	581	3,533	2,969.6
Percent	0	3.5	32.4	13.5	8.1	39.4	3.2	5.5	3.3	17.1	14.0
371. Bayne											
Number of Claims Filed	0	9	47	17	8	51	12	7	2	4	15.7
Acres Insured	2,658	13,923	16,425	18,712	18,131	18,998	20,123	18,972	14,512	18,026	16,048.0
Acres on Which Damage Claimed	0	1,244	5,222	2,560	1,227	8,588	1,423	695	371	621	2,195.1
Percent	0	8.9	31.8	13.7	6.8	45.2	7.1	3.7	2.6	3.4	13.7
372. Grant											
Number of Claims Filed	0	12	11	9	3	9	2	0	5	2	5.3
Acres Insured	2,484	12,093	7,421	8,461	6,378	7,766	8,994	7,764	5,645	7,737	7,474.3
Acres on Which Damage Claimed	0	2,194	1,818	1,030	343	1,697	300	0	1,869	170	942.1
Percent	0	18.1	24.5	12.2	5.4	21.9	3.3	0	33.1	2.2	12.6
373. Aberdeen											
Number of Claims Filed	1	21	8	9	4	7	0	2	2	2	5.6
Acres Insured	2,991	5,406	6,649	8,524	9,960	10,150	9,572	8,640	4,990	7,345	7,422.7
Acres on Which Damage Claimed	200	1,912	1,347	1,311	560	1,470	0	119	349	350	761.8
Percent	6.7	35.4	20.3	15.4	5.6	14.5	0	1.4	7.0	4.8	10.3
399. Lake Lenore											
Number of Claims Filed	1	1	0	8	3	0	0	5	4	2	2.4
Acres Insured	750	2,349	3,960	4,379	4,980	5,186	6,392	6,023	6,092	9,225	4,933.6
Acres on Which Damage Claimed	30	75	0	1,418	440	0	0	262	645	448	331.8
Percent	4.0	3.2	0	32.4	8.8	0	0	4.3	10.6	4.9	6.7

(continued)

TABLE 2.3 SASKATCHEWAN MUNICIPAL HAIL INSURANCE: NUMBER OF CLAIMS FILED, ACRES INSURED AND ACRES ON WHICH DAMAGE CLAIMED IN THE STUDY AREA, 1962 TO 1971 (continued)

Rural Municipality	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	Avg./Yr.
400. Three Lakes											
Number of Claims Filed	0	11	6	6	2	22	5	7	2	2	6.3
Acres Insured	5,391	11,063	11,642	13,964	14,990	14,816	15,407	14,888	12,462	14,658	12,928.1
Acres on Which Damage Claimed	0	1,021	764	1,665	195	3,303	445	1,470	128	292	928.3
Percent	0	9.2	6.6	11.9	1.3	22.3	2.9	9.9	1.0	2.0	7.2
401. Hoodoo											
Number of Claims Filed	0	47	13	26	9	26	13	7	0	12	15.3
Acres Insured	5,980	14,331	15,209	18,426	19,731	20,562	20,488	18,392	13,575	18,915	16,560.9
Acres on Which Damage Claimed	0	5,000	2,071	4,680	1,877	4,375	2,016	853	0	1,820	2,269.2
Percent	0	34.9	13.6	25.4	9.5	21.3	9.8	4.6	0	9.6	13.7
402. Fish Creek											
Number of Claims Filed	2	21	8	13	9	4	2	0	1	1	6.1
Acres Insured	3,549	10,674	11,882	11,652	12,396	13,701	14,601	13,788	8,454	13,178	11,387.5
Acres on Which Damage Claimed	92	1,970	704	1,874	1,018	458	449	0	100	50	671.5
Percent	2.6	18.5	5.9	16.1	8.2	3.3	3.1	0	1.2	0.4	5.9
429. Flett's Spring											
Number of Claims Filed	1	7	0	0	0	0	0	9	12	5	3.4
Acres Insured	1,686	5,044	5,764	5,734	7,030	7,412	9,019	10,786	9,555	11,336	7,336.6
Acres on Which Damage Claimed	160	1,325	0	0	0	0	0	1,128	1,354	877	484.4
Percent	9.5	26.3	0	0	0	0	0	10.5	14.2	7.7	6.6
430. Invergordon											
Number of Claims Filed	0	2	2	12	14	0	0	1	2	1	3.4
Acres Insured	3,372	5,596	5,491	7,206	5,737	4,545	7,873	7,530	6,975	8,179	6,250.4
Acres on Which Damage Claimed	0	330	245	1,808	1,211	0	0	100	112	33	383.9
Percent	0	5.9	4.5	25.1	21.1	0	0	1.3	1.6	0.4	6.1
431. St. Louis											
Number of Claims Filed	2	2	2	1	7	5	0	0	1	15	3.5
Acres Insured	1,100	1,924	3,590	4,602	6,341	6,534	7,507	6,709	5,605	6,968	5,088.0
Acres on Which Damage Claimed	165	200	465	75	1,304	1,232	0	0	75	3,994	751.0
Percent	15.0	10.4	13.0	1.6	20.6	18.9	0	0	1.3	57.3	14.8
459. Kinistino											
Number of Claims Filed	1	2	2	11	6	0	3	0	1	4	3.0
Acres Insured	3,483	6,704	9,232	10,193	11,025	10,618	10,948	10,934	9,759	10,682	9,357.8
Acres on Which Damage Claimed	136	157	354	1,820	369	0	87	0	150	458	353.1
Percent	3.9	2.3	3.8	17.9	3.3	0	0.8	0	1.5	4.3	3.8

(continued)

TABLE 2.3 SASKATCHEWAN MUNICIPAL HAIL INSURANCE: NUMBER OF CLAIMS FILED, ACRES INSURED AND ACRES ON WHICH DAMAGE CLAIMED IN THE STUDY AREA, 1962 TO 1971 (concluded)

Rural Municipality	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	Avg./Yr.
460. Birch Hills											
Number of Claims Filed	1	0	0	3	0	1	1	0	1	0	0.7
Acres Insured	817	1,391	1,106	964	1,090	1,770	1,483	1,141	1,014	1,389	1,216.5
Acres on Which Damage Claimed	100	0	0	508	0	70	16	0	215	0	90.9
Percent	12.2	0	0	52.7	0	4.0	1.1	0	21.2	0	7.5
Total Study Area											
Number of Claims Filed	134	688	347	296	235	232	62	191	231	157	257.3
Acres Insured	254,913	369,948	391,954	404,892	425,239	428,919	435,765	411,922	301,913	425,903	385,136.8
Acres on Which Damage Claimed	21,778	100,912	48,111	49,193	39,850	41,297	9,086	27,163	31,197	27,671	39,625.8
Percent	8.5	27.3	12.3	12.1	9.4	9.6	2.1	6.6	10.3	6.5	10.3

Source: Saskatchewan Municipal Hail Insurance Association, Regina, Saskatchewan.

## Sales of Farmland

An overview of farmland transactions in the study area is provided by the data in Table 2.4. In the nine-year period from 1963 to 1971, 926 transactions were recorded, averaging 237 acres each. These are representative transactions in the sense that family and other types of deals involving concessions or premiums were excluded from the tabulations; e.g., farmland adjacent to a town that was possibly purchased for non-agricultural use.

Land values increased and almost doubled by 1967. That year the average price was \$101.06 per acre and the high price was \$222.40 per acre. Since then values have dropped. Prices were lowest in 1963 with the average being \$55.43 per acre and the high being \$118.75 per acre. Many factors enter into a determination of farmland values. Superficially, at least, the following three factors could be mentioned in an explanation of observed price levels: soil classification, general inflation and the grain marketing situation. Class 1 or Class 2 land is usually higher in price than Class 3 or Class 4 land. Over time general economic inflation is reflected in rising land values. Finally, as grain marketings keep pace with production, there is an upward pressure on land values. When the supply of grain becomes too large relative to demand, however, the pressure on land values is downward. This is what happened after the 1968-69 crop year.

TABLE 2.4 REPRESENTATIVE LAND VALUES BY SALES PRICE PER ACRE, 1963 TO 1971

Year	Number of Transactions	Total Acreage	Price per Acre <sup>a</sup>		
			Low	High	Average
			\$	\$	\$
1963	97	20,764	13.77	118.75	55.43
1964	92	21,233	17.97	143.75	64.60
1965	118	31,174	17.19	147.44	71.88
1966	144	34,729	12.50	206.25	90.72
1967	185	43,316	15.63	222.40	101.06
1968	118	25,780	25.78	188.89	99.89
1969	48	11,503	26.48	146.88	93.54
1970	44	11,510	18.75	146.88	69.35
1971	80	19,610	24.24	145.57	82.09

<sup>a</sup>Less improvements.

Source: Farm Credit Corporation, Regina, Saskatchewan.

## Land Use

In Tables 2.5, 2.6 and 2.7 both the acreage and its use are shown in detail by delivery point for three crop years: 1962-63, 1969-70 and 1970-71. Total farm acreage in the study area amounted to about 3.4 million acres in each of these years. Between 1962-63 and 1969-70 uncultivated land decreased by 129,000 acres or some 22 percent. In 1962-63 the elevators at Burton Lake, Clarkboro and Waitville had already been closed. By 1970-71 another 10 delivery points ceased to operate, diverting 132,772 acres to neighboring points on the basis of 1962-63 acreages. This amounted to 3.9 percent of the total farm acreage in the area.

In general the smaller communities had decreases in acreage between 1962-63 and 1969-70 while the larger communities had increases.<sup>1</sup> With the exceptions of Lepine, Bremen, Lipsett and Peterson, the hinterlands of all points "too small to classify" and hamlets decreased. For points "too small to classify" the average acres lost amounted to 24.4 percent; for hamlets the average acres lost was 14.1 percent. Although 9 of the villages had increases in their associated acreages, the other 14 had decreases. The result was a decline of 1.5 percent in their average total acreage. Nine of the 13 towns acquired more hinterland acres and for this group there was an acreage increase of 5.2 percent. All greater towns gained substantial acreages that averaged 26.4 percent.

Little change occurred in the pattern of land use between 1962-63 and 1969-70. Cropping practices generally followed a three-year rotation of about one-third summer fallow, one-third wheat and one-third in other crops as well as uncultivated land. Oats and barley amounted to about 13 per cent of the land use in both years. There was a significant increase in flax and rapeseed which rose from 1.1 to 5.6 percent of total farm acres.

Substantial changes occurred in the land use pattern in 1970-71. The changes primarily resulted from the Operation LIFT program of the federal government which was designed to reduce the Canadian wheat surplus.<sup>2</sup> The greatest absolute changes from 1969-70 to 1970-71 occurred both in hard red spring wheat which dropped by 691,227 acres, 67.7 percent, and summer fallow which increased by 273,158 acres, 24.0 percent. Rapeseed, 12.1 percent of the land use, nearly tripled in acreage from 1970 to 1971.

It should be noted that "specified acres" as such disappeared in the 1970-71 crop year under Operation LIFT. For comparative purposes, however, a subtotal in Table 2.7 shows the same crops that comprised specified acres in 1969-70. In the study area this acreage decreased by 9.5 percent.

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<sup>1</sup>The interested reader may wish to compare this data with that contained in Tables 3.2 and 3.15. Those tables show changes in the number of delivery permits issued and in the average hauling distances from farm to elevator.

<sup>2</sup>LIFT is an acronym derived from "Lower Inventory For Tomorrow".

TABLE 2.5 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1962-63

Delivery Point	Wheat	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Durum	Flax	Rapeseed	Other Crops	Uncult. Land	Total
<i>Too small to classify</i>													
1 Burton Lake Acres													
Percent	Storage only												
2 Clarkboro Acres													
Percent	Storage only												
3 Rak Acres	3,809	479	377	-	3,304	84	8,053	50	-	-	-	797	8,900
Percent	42.8	5.4	4.2	-	37.1	1.0	90.5	0.6	-	-	-	8.9	100.0
4 Irvington Acres	3,159	698	2,211	-	3,011	663	9,742	-	30	10	14	932	10,728
Percent	29.4	6.5	20.6	-	28.1	6.2	90.8	-	0.3	0.1	0.1	8.7	100.0
5 Thaxted Acres	2,307	567	1,582	-	2,846	256	7,558	-	45	255	15	1,216	9,089
Percent	25.4	6.2	17.4	-	31.3	2.8	83.1	-	0.5	2.8	0.2	13.4	100.0
6 Waitville Acres	Storage only												
Percent													
7 Mileage 102.2 Acres	4,708	626	2,735	-	5,422	487	13,978	-	220	455	-	421	15,074
Percent	31.2	4.2	18.1	-	36.0	3.2	92.7	-	1.5	3.0	-	2.8	100.0
8 Tiger Hills Acres	3,854	657	667	-	3,435	427	9,040	-	168	117	-	1,007	10,332
Percent	37.3	6.4	6.5	-	33.2	4.1	87.5	-	1.6	1.1	-	9.8	100.0
9 Rutan Acres	6,021	670	484	-	7,705	293	15,173	813	214	-	40	1,990	18,230
Percent	33.0	3.7	2.6	-	42.3	1.6	83.2	4.5	1.2	-	0.2	10.9	100.0
10 Claggett Acres	3,069	133	1,356	-	2,456	404	7,418	-	80	130	41	602	8,271
Percent	37.1	1.6	16.4	-	29.7	4.9	89.7	-	0.9	1.6	0.5	7.3	100.0
11 Leofnard Acres	7,238	917	552	-	4,620	430	13,757	-	-	50	100	2,289	16,196
Percent	44.7	5.7	3.4	-	28.5	2.7	85.0	-	-	0.3	0.6	14.1	100.0
12 Totzke Acres	6,271	548	245	23	4,485	208	11,780	-	-	-	102	4,568	16,450
Percent	38.1	3.3	1.5	0.1	27.3	1.3	71.6	-	-	-	0.6	27.8	100.0
13 Clemens Acres	6,037	919	2,207	55	6,348	611	16,177	-	-	326	115	4,619	21,237
Percent	28.4	4.3	10.4	0.3	29.9	2.9	76.2	-	-	1.5	0.5	21.8	100.0
14 Lepine Acres	9,083	1,311	885	-	5,849	409	17,537	-	30	200	100	3,068	20,935
Percent	43.4	6.3	4.2	-	27.9	1.9	83.7	-	0.1	1.0	0.5	14.7	100.0
15 Carpenter Acres	5,208	1,066	398	5	4,585	332	11,594	-	-	-	191	6,022	17,807
Percent	29.2	6.0	2.3	0.0	25.7	1.9	65.1	-	-	-	1.1	33.8	100.0

(continued)

TABLE 2.5 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1962-63 (continued)

Delivery Point	Specified											Other Crops	Uncult. Land	Total
	Wheat	Oats	Barley	Rye	Summer Fallow	Forage Crops	Acres (Subtotal)	Durum	Flax	Rapeseed				
16 Fenton Acres Percent	5,740 32.0	1,600 8.9	998 5.6	220 1.2	4,898 27.3	547 3.1	14,003 78.1	105 0.6	317 1.8	410 2.3	140 0.8	2,946 16.4	17,921 100.0	
17 Bremen Acres Percent	13,878 41.0	2,696 8.0	1,084 3.2	-	9,977 29.5	1,033 3.0	28,668 84.7	-	-	-	159 0.5	5,008 14.8	33,835 100.0	
18 Dixon Acres Percent	12,007 42.6	1,860 6.6	496 1.8	-	8,906 31.6	338 1.2	23,607 83.8	-	-	20 0.1	65 0.2	4,489 15.9	28,181 100.0	
Hamlets														
19 Daylesford Acres Percent	8,408 38.3	1,008 4.6	2,147 9.8	-	6,679 30.5	487 2.2	18,729 85.4	-	-	-	114 0.5	3,082 14.1	21,925 100.0	
20 Ens Acres Percent	10,368 41.7	1,457 5.8	612 2.5	-	8,749 35.2	617 2.5	21,803 87.7	15 0.0	22 0.1	-	20 0.1	3,003 12.1	24,863 100.0	
21 Lenvale Acres Percent	6,937 27.2	1,600 6.3	4,223 16.6	-	7,934 31.1	448 1.7	21,142 82.9	-	215 0.8	293 1.2	140 0.5	3,714 14.6	25,504 100.0	
22 Naisberry Acres Percent	7,485 30.8	1,590 6.5	2,730 11.2	-	8,274 34.1	1,178 4.9	21,257 87.5	-	93 0.4	206 0.8	275 1.1	2,467 10.2	24,298 100.0	
23 Whitton Acres Percent	7,159 31.5	1,189 5.2	4,420 19.5	-	6,625 29.2	863 3.8	20,256 89.2	-	195 0.9	237 1.0	16 0.1	1,994 8.8	22,698 100.0	
24 Silver Park Acres Percent	4,421 20.5	1,207 5.6	590 2.7	50 0.2	5,459 25.3	1,347 6.3	13,074 60.6	-	-	137 0.6	341 1.6	8,008 37.2	21,560 100.0	
25 Resource Acres Percent	6,352 27.2	1,055 4.5	2,522 10.8	-	7,145 30.6	915 3.9	17,989 77.0	-	129 0.6	219 0.9	75 0.3	4,962 21.2	23,374 100.0	
26 Tarnopol Acres Percent	3,799 31.7	497 4.2	566 4.7	-	3,935 32.9	140 1.2	8,937 74.7	-	-	154 1.3	120 1.0	2,757 23.0	11,968 100.0	
27 Lipsett Acres Percent	7,377 29.9	1,520 6.2	2,983 12.1	-	7,826 31.7	1,293 5.3	20,999 85.2	515 2.1	13 0.1	570 2.3	10 0.0	2,548 10.3	24,655 100.0	
28 Peterson Acres Percent	13,076 35.2	1,741 4.7	634 1.7	-	12,037 32.5	497 1.3	27,985 75.4	184 0.5	127 0.3	20 0.1	402 1.1	8,385 22.6	37,103 100.0	
29 Moseley Acres Percent	18,173 39.8	4,516 9.9	1,412 3.1	-	15,222 33.4	1,361 3.0	40,684 89.2	-	131 0.3	76 0.2	344 0.8	4,395 9.5	45,630 100.0	
30 Reynaud Acres Percent	7,451 37.1	1,095 5.5	456 2.3	-	6,432 32.0	537 2.7	15,971 79.6	-	83 0.4	93 0.5	130 0.6	3,803 18.9	20,080 100.0	

(continued)

TABLE 2.5 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1962-63 (continued)

Delivery Point	Specified										Other Crops	Uncult. Land	Total
	Wheat	Oats	Barley	Rye	Summer Fallow	Forage Crops	Acres (Subtotal)	Durum	Flax	Rapeseed			
31 Brancepeth Acres	13,068	3,298	6,075	-	12,717	1,791	36,949	17	479	998	50	7,028	45,521
Percent	28.7	7.3	13.4	-	27.9	3.9	81.2	0.0	1.1	2.2	0.1	15.4	100.0
32 Hagen Acres	10,735	1,319	1,859	-	10,215	830	24,958	125	174	1,062	298	1,801	28,418
Percent	37.8	4.6	6.5	-	36.0	2.9	87.8	0.5	0.6	3.7	1.1	6.3	100.0
33 Smuts Acres	8,828	1,041	442	-	6,389	173	16,873	30	-	-	213	2,018	19,134
Percent	46.1	5.5	2.3	-	33.4	0.9	88.2	0.2	-	-	1.1	10.5	100.0
34 Fairy Glen Acres	7,986	2,706	4,377	-	11,909	2,349	29,327	-	141	264	142	4,823	34,697
Percent	23.0	7.8	12.6	-	34.3	6.8	84.5	-	0.4	0.8	0.4	13.9	100.0
Villages													
35 Ethelton Acres	11,383	1,652	5,681	-	11,609	1,399	31,724	-	251	1,128	209	5,799	39,111
Percent	29.1	4.2	14.5	-	29.7	3.6	81.1	-	0.7	2.9	0.5	14.8	100.0
36 Lac Vert Acres	14,601	3,746	2,824	30	14,099	1,991	37,291	194	100	564	448	14,913	53,510
Percent	27.3	7.0	5.3	0.1	26.3	3.7	69.7	0.4	0.2	1.0	0.8	27.9	100.0
37 Fulda Acres	25,270	4,471	530	-	17,338	2,565	50,174	-	10	20	123	4,823	55,150
Percent	45.8	8.1	1.0	-	31.4	4.7	91.0	-	0.0	0.0	0.2	8.8	100.0
38 Tway Acres	5,073	1,055	943	-	5,284	303	12,658	-	-	-	614	3,660	16,932
Percent	30.0	6.2	5.6	-	31.2	1.8	74.8	-	-	-	3.6	21.6	100.0
39 Pleasantdale Acres	9,602	3,371	2,033	40	11,115	3,082	29,243	30	30	390	95	17,917	47,705
Percent	20.1	7.1	4.3	0.1	23.3	6.4	61.3	0.1	0.1	0.8	0.2	37.5	100.0
40 Beatty Acres	21,209	3,515	11,913	-	23,064	1,775	61,476	-	850	1,011	196	6,805	70,338
Percent	30.2	5.0	16.9	-	32.8	2.5	87.4	-	1.2	1.4	0.3	9.7	100.0
41 Brooksby Acres	13,767	2,623	5,565	-	15,019	1,272	38,246	-	360	281	130	4,903	43,920
Percent	31.3	6.0	12.7	-	34.2	2.9	87.1	-	0.8	0.6	0.3	11.2	100.0
42 Hoey Acres	19,386	1,969	6,265	866	17,761	2,009	48,256	-	248	332	544	9,476	58,856
Percent	32.9	3.4	10.6	1.5	30.2	3.4	82.0	-	0.4	0.6	0.9	16.1	100.0
43 Pathlow Acres	10,107	1,790	5,056	-	9,489	1,977	28,419	2	22	195	139	8,894	37,671
Percent	26.8	4.8	13.4	-	25.2	5.2	75.4	0.0	0.1	0.5	0.4	23.6	100.0
44 Elstow Acres	13,643	2,249	482	-	13,717	1,000	31,091	1,738	214	-	59	4,028	37,130
Percent	36.7	6.1	1.3	-	36.9	2.7	83.7	4.7	0.6	-	0.2	10.8	100.0
45 Meskanaw Acres	10,625	2,904	6,003	110	12,701	1,543	33,886	-	306	433	267	13,712	48,604
Percent	21.9	6.0	12.3	0.2	26.1	3.2	69.7	-	0.6	0.9	0.6	28.2	100.0

(continued)

TABLE 2.5 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1962-63 (continued)

Delivery Point	Specified Acres (Subtotal)										Uncult. Land	Total
	Wheat	Oats	Barley	Rye	Summer Fallow	Forage Crops	Durum	Flax	Rapeseed	Other Crops		
46 Pilger Acres Percent	15,609 33.8	5,820 12.6	1,046 2.3	-	13,922 30.2	2,531 5.5	38,928 84.4	26 0.1	17 0.0	130 0.3	7,013 15.2	46,134 100.0
47 Crystal Springs Acres Percent	8,150 26.3	2,170 7.0	983 3.2	-	7,693 24.9	1,827 5.9	20,823 67.3	-	214 0.7	61 0.2	9,740 31.5	30,939 100.0
48 Gronlid Acres Percent	16,407 23.5	8,213 11.7	4,182 6.0	245 0.3	20,881 30.0	5,521 7.9	55,449 79.4	-	475 0.7	105 0.1	13,148 18.8	69,863 100.0
49 Carmel Acres Percent	25,040 34.6	4,765 6.6	1,071 1.5	-	22,881 31.6	1,197 1.7	54,954 76.0	100 0.1	26 0.0	236 0.3	17,055 23.6	72,371 100.0
50 Weldon Acres Percent	22,855 28.7	5,280 6.6	9,630 12.1	79 0.1	21,775 27.3	3,735 4.7	63,354 79.5	35 0.1	542 0.7	246 0.3	12,912 16.2	79,668 100.0
51 Meacham Acres Percent	32,530 36.7	2,177 2.5	3,160 3.6	-	32,837 37.1	582 0.6	71,286 80.5	847 1.0	40 0.1	132 0.1	16,034 18.1	88,528 100.0
52 St. Benedict Acres Percent	17,070 37.1	3,197 6.9	1,304 2.8	-	14,421 31.4	1,463 3.2	37,455 81.4	-	36 0.1	423 0.9	8,029 17.5	45,998 100.0
53 Ridgedale Acres Percent	18,871 33.4	4,240 7.5	2,983 5.3	-	20,302 35.9	3,219 5.7	49,615 87.8	-	512 0.9	482 0.9	5,662 10.0	56,506 100.0
54 Prud'homme Acres Percent	35,170 39.9	4,487 5.1	1,942 2.2	-	27,855 31.6	861 1.0	70,315 79.8	210 0.2	8 0.0	161 0.2	17,388 19.7	88,147 100.0
55 Muenster Acres Percent	21,454 36.1	6,355 10.7	775 1.3	-	19,673 33.1	1,571 2.6	49,828 83.8	55 0.1	167 0.3	303 0.5	9,026 15.2	59,472 100.0
56 Alvena Acres Percent	29,588 41.5	5,160 7.2	1,207 1.7	548 0.8	21,375 30.0	523 0.7	58,401 81.9	39 0.1	45 0.1	505 0.7	12,116 17.0	71,281 100.0
57 Domremy Acres Percent	31,917 36.3	4,550 5.2	6,126 7.0	-	28,871 32.8	2,223 2.5	73,687 83.8	57 0.1	165 0.2	376 0.4	13,329 15.1	87,944 100.0
Towns												
58 Yellow Creek Acres Percent	11,197 24.5	2,914 6.4	3,492 7.6	10 0.0	11,573 25.4	848 1.9	30,034 65.8	125 0.3	80 0.2	513 1.1	14,383 31.5	45,616 100.0
59 St. Louis Acres Percent	11,683 24.5	2,642 5.5	4,280 9.0	1,107 2.3	12,015 25.2	3,102 6.5	34,829 73.0	-	68 0.1	159 0.3	12,430 26.0	47,752 100.0
60 Aberdeen Acres Percent	36,627 34.7	7,901 7.5	4,613 4.4	696 0.6	39,092 37.0	1,563 1.5	90,492 85.7	692 0.6	35 0.0	81 0.1	14,284 13.5	105,644 100.0

(continued)

TABLE 2.5 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1962-63 (continued)

Delivery Point	Wheat	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Durum	Flax	Rapeseed	Other Crops	Uncult. Land	Total
61 Middle Lake Acres	11,872	4,272	2,771	-	11,846	3,257	34,018	16	-	38	144	14,014	48,230
Percent	24.6	8.9	5.7	-	24.6	6.7	70.5	0.0	-	0.1	0.3	29.1	100.0
62 Lake Lenore Acres	41,716	7,675	7,942	-	33,855	2,399	93,587	158	207	483	669	13,341	108,445
Percent	38.5	7.1	7.3	-	31.2	2.2	86.3	0.2	0.2	0.4	0.6	12.3	100.0
63 St. Brieux Acres	23,254	5,477	9,384	25	26,069	6,015	70,224	163	491	666	372	37,036	108,952
Percent	21.4	5.0	8.6	0.0	23.9	5.5	64.4	0.2	0.5	0.6	0.3	34.0	100.0
64 Vonda Acres	30,728	3,339	1,867	50	25,281	797	62,062	157	95	25	192	14,964	77,495
Percent	39.7	4.3	2.4	0.1	32.6	1.0	80.1	0.2	0.1	0.0	0.3	19.3	100.0
65 Viscount Acres	18,657	3,456	1,270	65	21,503	2,006	46,957	1,001	817	-	251	6,804	55,830
Percent	33.4	6.2	2.3	0.1	38.5	3.6	84.1	1.8	1.5	-	0.4	12.2	100.0
66 Star City Acres	23,460	2,924	7,858	115	24,283	2,443	61,083	30	691	471	421	11,296	73,992
Percent	31.7	4.0	10.6	0.2	32.8	3.3	82.6	0.0	0.9	0.6	0.6	15.3	100.0
67 Colonsay Acres	17,117	1,248	367	-	18,123	1,139	37,994	1,744	264	-	-	3,732	43,734
Percent	39.1	2.9	0.8	-	41.5	2.6	86.9	4.0	0.6	-	-	8.5	100.0
68 Bruno Acres	36,180	4,978	1,205	-	32,334	2,475	77,172	630	65	132	398	14,950	93,347
Percent	38.8	5.3	1.3	-	34.6	2.7	82.7	0.7	0.1	0.1	0.4	16.0	100.0
69 Naicam Acres	33,031	8,527	4,475	-	32,718	2,567	81,318	315	451	313	396	16,728	99,521
Percent	33.2	8.5	4.5	-	32.9	2.6	81.7	0.3	0.5	0.3	0.4	16.8	100.0
70 Cudworth Acres	32,648	6,347	2,712	-	25,327	1,702	68,736	15	197	29	368	13,763	83,108
Percent	39.3	7.6	3.3	-	30.5	2.0	82.7	0.0	0.2	0.0	0.5	16.6	100.0
<i>Greater Towns</i>													
71 Kinistino Acres	34,171	7,067	18,957	360	33,913	4,996	99,464	395	1,241	2,643	636	21,159	125,538
Percent	27.2	5.6	15.1	0.3	27.0	4.0	79.2	0.3	1.0	2.1	0.5	16.9	100.0
72 Birch Hills Acres	28,712	6,889	7,138	-	24,796	3,086	70,621	90	565	1,121	339	10,011	82,747
Percent	34.7	8.3	8.6	-	30.0	3.7	85.3	0.1	0.7	1.4	0.4	12.1	100.0
73 Wakaw Acres	28,077	3,454	1,989	174	21,650	703	56,047	15	85	62	125	13,811	70,145
Percent	40.0	4.9	2.8	0.3	30.9	1.0	79.9	0.0	0.1	0.1	0.2	19.7	100.0
74 Humboldt Acres	23,336	3,679	1,364	95	19,926	1,709	50,109	244	80	190	526	11,648	62,797
Percent	37.2	5.9	2.2	0.1	31.7	2.7	79.8	0.4	0.1	0.3	0.8	18.6	100.0
75 Melfort Acres	12,394	1,882	6,902	-	13,213	2,897	37,288	-	491	651	65	3,547	42,042
Percent	29.5	4.5	16.4	-	31.4	6.9	88.7	-	1.2	1.5	0.2	8.4	100.0

(continued)

TABLE 2.5 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1962-63 (concluded)

Delivery Point	Wheat	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Durum	Flax	Rapeseed	Other Crops	Uncult. Land	Total
Study Area Total													
Acres	1,118,199	212,016	222,615	4,968	1,046,593	109,221	2,713,612	10,977	13,550	22,732	15,411	589,045	3,365,327
Percent	33.2	6.3	6.6	0.2	31.1	3.2	80.6	0.3	0.4	0.7	0.5	17.5	100.0
Saskatchewan Total													
Acres	15,454,942	3,260,029	1,806,685	359,911	17,922,504	1,755,699	40,559,770	2,706,327	346,557	151,889	257,875	12,195,975	56,218,393
Percent	27.5	5.8	3.2	0.6	31.9	3.1	72.1	4.8	0.6	0.3	0.5	21.7	100.0

Source: Canadian Wheat Board, Winnipeg.

TABLE 2.6 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1969-70

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Flax	Rapeseed	Other Crops	Uncult. Land	Total
<i>Too Small to Classify</i>													
1 Burton Lake													
Acres	Closed												
Percent													
2 Clarkboro													
Acres	Closed												
Percent													
3 Rak													
Acres	Storage only												
Percent													
4 Irvington													
Acres	Storage only												
Percent													
5 Thaxted													
Acres	Storage only												
Percent													
6 Waitville													
Acres	Closed												
Percent													
7 Mileage 102.2													
Acres	3,556	-	333	1,851	-	4,240	98	10,078	465	1,824	-	415	12,782
Percent	27.8	-	2.6	14.5	-	33.2	0.8	78.9	3.6	14.3	-	3.2	100.0
8 Tiger Hills													
Acres	1,519	-	92	526	-	1,498	161	3,796	155	227	5	288	4,471
Percent	34.0	-	2.0	11.8	-	33.5	3.6	84.9	3.5	5.1	0.1	6.4	100.0
9 Rutan													
Acres	7,665	522	418	1,045	-	7,982	165	17,797	593	150	100	1,402	20,042
Percent	38.3	2.6	2.1	5.2	-	39.8	0.8	88.8	3.0	0.7	0.5	7.0	100.0
10 Claggett													
Acres	1,155	-	227	862	-	2,265	310	4,819	40	720	-	193	5,772
Percent	20.0	-	3.9	14.9	-	39.3	5.4	83.5	0.7	12.5	-	3.3	100.0
11 Leofnard													
Acres	4,083	-	668	591	-	3,263	247	8,852	-	-	42	1,134	10,028
Percent	40.7	-	6.7	5.9	-	32.5	2.5	88.3	-	-	0.4	11.3	100.0
12 Totzke													
Acres	6,467	-	273	599	-	5,208	127	12,674	-	30	50	3,092	15,846
Percent	40.8	-	1.7	3.8	-	32.9	0.8	80.0	-	0.2	0.3	19.5	100.0
13 Clemens													
Acres	2,974	-	364	1,183	100	4,349	325	9,295	300	871	20	1,767	12,253
Percent	24.3	-	3.0	9.7	0.8	35.5	2.6	75.9	2.4	7.1	0.2	14.4	100.0
14 Lepine													
Acres	10,463	80	970	781	-	7,001	495	19,790	355	1,176	117	2,011	23,449
Percent	44.6	0.3	4.1	3.3	-	30.0	2.1	84.4	1.5	5.0	0.5	8.6	100.0
15 Carpenter													
Acres	4,856	-	688	645	-	4,026	349	10,564	357	200	84	4,089	15,294
Percent	31.8	-	4.5	4.2	-	26.3	2.3	69.1	2.3	1.3	0.6	26.7	100.0

(continued)

TABLE 2.6 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1969-70 (continued)

Delivery Point	Specified Acres (Subtotal)										Other Crops	Uncult. Land	Total
	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Flax	Rapeseed				
16 Fenton Acres Percent	2,661 25.4	- -	583 5.6	1,073 10.2	165 1.6	3,590 34.2	522 5.0	8,594 82.0	515 4.9	410 3.9	- -	964 9.2	10,483 100.0
17 Bremen Acres Percent	14,467 42.6	- -	1,843 5.4	2,643 7.8	- -	10,323 30.4	1,148 3.4	30,424 89.6	15 0.0	30 0.1	30 0.1	3,481 10.2	33,980 100.0
18 Dixon Acres Percent	10,276 38.1	60 0.2	1,662 6.2	2,265 8.4	- -	9,234 34.2	266 1.0	23,763 88.1	123 0.5	332 1.2	145 0.5	2,599 9.7	26,962 100.0
Hamlets													
19 Daylesford Acres Percent	5,672 32.2	- -	416 2.4	1,852 10.5	- -	5,323 30.2	392 2.2	13,655 77.5	309 1.8	1,384 7.9	316 1.8	1,945 11.0	17,609 100.0
20 Ens Acres Percent	8,509 41.6	- -	728 3.6	572 2.8	- -	8,242 40.3	512 2.5	18,563 90.8	40 0.2	298 1.4	34 0.2	1,519 7.4	20,454 100.0
21 Lenvale Acres Percent	5,239 22.0	- -	933 3.9	3,517 14.7	60 0.3	8,292 34.7	661 2.8	18,702 78.4	595 2.5	3,013 12.6	- -	1,555 6.5	23,865 100.0
22 Naisberry Acres Percent	4,635 24.0	- -	396 2.1	2,639 13.6	- -	7,144 36.9	567 2.9	15,381 79.5	527 2.7	2,030 10.5	20 0.1	1,388 7.2	19,346 100.0
23 Whitome Acres Percent	4,067 18.6	100 0.5	685 3.1	3,552 16.2	- -	8,133 37.2	457 2.1	16,994 77.7	728 3.3	2,848 13.0	8 0.0	1,313 6.0	21,891 100.0
24 Silver Park Acres Percent	3,080 22.2	- -	521 3.8	700 5.0	50 0.4	4,120 29.7	928 6.7	9,399 67.8	- -	348 2.5	220 1.6	3,898 28.1	13,865 100.0
25 Resource Acres Percent	3,860 23.4	- -	458 2.8	2,100 12.8	203 1.2	5,319 32.3	785 4.8	12,725 77.3	229 1.4	555 3.4	25 0.1	2,926 17.8	16,460 100.0
26 Tarnopol Acres Percent	Closed												
27 Lipsett Acres Percent	5,351 20.7	- -	586 2.3	4,360 16.8	- -	9,132 35.2	1,247 4.8	20,676 79.8	359 1.4	2,793 10.8	54 0.2	2,019 7.8	25,901 100.0
28 Peterson Acres Percent	12,578 33.9	735 2.0	1,103 3.0	1,864 5.0	- -	13,502 36.3	527 1.4	30,309 81.6	335 0.9	175 0.5	161 0.4	6,169 16.6	37,149 100.0
29 Moseley Acres Percent	13,548 32.3	146 0.3	2,447 5.8	4,136 9.9	- -	15,377 36.6	640 1.5	36,294 86.4	548 1.3	1,807 4.3	462 1.1	2,881 6.9	41,992 100.0
30 Reynaud Acres Percent	6,256 36.7	135 0.8	562 3.3	713 4.2	- -	6,131 36.0	503 2.9	14,300 83.9	225 1.3	507 3.0	18 0.1	2,004 11.7	17,054 100.0

(continued)

TABLE 2.6 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1969-70 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Flax	Rapeseed	Other Crops	Uncult. Land	Total
31 Brancepeth Acres Percent	9,361 22.3	105 0.2	2,257 5.4	6,592 15.7	- -	14,254 34.0	1,158 2.8	33,727 80.4	1,064 2.6	2,560 6.1	100 0.2	4,492 10.7	41,943 100.0
32 Hagen Acres Percent	5,849 21.8	149 0.6	1,164 4.3	3,425 12.7	- -	10,989 40.9	334 1.2	21,910 81.5	706 2.6	2,205 8.2	684 2.6	1,382 5.1	26,887 100.0
33 Smuts Acres Percent	6,520 47.2	- -	522 3.8	445 3.2	- -	4,598 33.3	40 0.3	12,125 87.8	- -	80 0.6	127 0.9	1,479 10.7	13,811 100.0
34 Fairy Glen Acres Percent	6,377 19.6	15 0.0	1,678 5.2	4,137 12.7	30 0.1	11,841 36.4	2,151 6.6	26,229 80.6	396 1.2	2,941 9.0	74 0.2	2,930 9.0	32,570 100.0
<i>Villages</i>													
35 Ethelton Acres Percent	6,885 17.4	- -	1,033 2.6	5,546 14.1	- -	14,327 36.3	1,251 3.2	29,042 73.6	1,090 2.8	5,610 14.2	30 0.1	3,681 9.3	39,453 100.0
36 Lac Vert Acres Percent	12,522 24.1	175 0.3	2,649 5.1	4,602 8.9	90 0.2	15,881 30.6	2,062 4.0	37,981 73.2	325 0.6	2,643 5.1	10 0.0	10,906 21.1	51,865 100.0
37 Fulda Acres Percent	20,670 40.7	135 0.2	2,931 5.8	4,222 8.3	- -	16,267 32.0	1,408 2.8	45,633 89.8	566 1.1	1,123 2.2	922 1.8	2,571 5.1	50,815 100.0
38 Tway Acres Percent	6,192 30.8	- -	814 4.0	1,259 6.3	- -	6,120 30.5	645 3.2	15,030 74.8	92 0.5	864 4.3	- -	4,106 20.4	20,092 100.0
39 Pleasantdale Acres Percent	8,467 18.2	30 0.1	1,789 3.8	3,901 8.4	205 0.4	12,200 26.3	4,420 9.5	31,012 66.7	87 0.2	1,457 3.1	578 1.3	13,336 28.7	46,470 100.0
40 Beatty Acres Percent	15,564 22.3	43 0.1	2,190 3.1	10,787 15.5	120 0.2	26,250 37.6	977 1.4	55,931 80.2	1,752 2.5	7,508 10.7	- -	4,590 6.6	69,781 100.0
41 Brooksby Acres Percent	13,380 24.6	100 0.2	2,312 4.2	6,449 11.8	40 0.1	21,651 39.7	1,808 3.3	45,740 83.9	960 1.8	4,118 7.6	15 0.0	3,673 6.7	54,506 100.0
42 Hoey Acres Percent	20,298 32.0	85 0.1	2,598 4.1	7,083 11.2	521 0.8	20,834 32.8	2,763 4.3	54,182 85.3	311 0.5	2,134 3.4	634 1.0	6,243 9.8	63,504 100.0
43 Pathlow Acres Percent	7,475 21.6	20 0.1	1,470 4.2	3,177 9.2	- -	10,362 29.9	2,109 6.1	24,613 71.1	505 1.5	3,254 9.4	3 0.0	6,239 18.0	34,614 100.0
44 Elstow Acres Percent	11,778 39.0	687 2.3	1,010 3.3	889 2.9	- -	10,252 34.0	1,117 3.7	25,733 85.2	1,163 3.8	566 1.9	51 0.2	2,683 8.9	30,196 100.0
45 Meskanaw Acres Percent	9,879 21.6	108 0.3	1,383 3.0	5,242 11.5	- -	13,440 29.4	1,831 4.0	31,883 69.8	543 1.2	3,420 7.5	218 0.5	9,595 21.0	45,659 100.0

(continued)

TABLE 2.6 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1969-70 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Flax	Rapeseed	Other Crops	Uncult. Land	Total
46 Pilder Acres	12,477 30.8	25 0.1	4,500 11.1	2,896 7.2	-	12,380 30.6	2,917 7.2	35,195 87.0	133 0.3	539 1.3	281 0.7	4,322 10.7	40,470 100.0
47 Crystal Springs Acres	6,523 25.5	-	1,337 5.2	1,079 4.2	-	8,213 32.1	1,660 6.5	18,812 73.5	34 0.2	314 1.2	-	6,423 25.1	25,583 100.0
48 Gronlid Acres	14,276 23.0	25 0.0	3,937 6.3	4,085 6.6	-286 0.5	19,991 32.1	4,651 7.5	47,251 76.0	304 0.5	3,953 6.4	237 0.4	10,418 16.7	62,163 100.0
49 Carmel Acres	23,209 34.0	80 0.1	3,353 4.9	2,723 4.0	-	23,627 34.7	1,074 1.6	54,066 79.3	237 0.3	443 0.7	394 0.6	13,001 19.1	68,141 100.0
50 Weldon Acres	16,545 19.7	187 0.2	4,018 4.8	12,685 15.1	180 0.2	25,757 30.7	4,062 4.8	63,434 75.5	1,432 1.7	7,726 9.2	25 0.0	11,423 13.6	84,040 100.0
51 Meacham Acres	30,385 38.8	593 0.7	930 1.2	4,324 5.5	-	29,688 37.9	554 0.7	66,474 84.8	425 0.5	528 0.7	216 0.3	10,750 13.7	78,393 100.0
52 St. Benedict Acres	15,750 32.1	73 0.1	1,994 4.1	3,226 6.6	6 0.0	16,223 33.1	1,533 3.1	38,805 79.1	1,002 2.0	2,048 4.2	903 1.8	6,329 12.9	49,087 100.0
53 Ridgedale Acres	18,557 25.3	-	4,663 6.3	5,080 6.9	268 0.4	26,632 36.3	4,652 6.3	59,852 81.5	1,529 2.1	7,211 9.8	76 0.1	4,785 6.5	73,453 100.0
54 Prud'homme Acres	35,987 42.5	-	2,961 3.5	2,393 2.8	-	29,170 34.5	1,114 1.3	71,625 84.6	40 0.1	-	447 0.5	12,575 14.8	84,687 100.0
55 Muenster Acres	17,387 32.2	90 0.2	3,634 6.7	3,528 6.5	-	19,365 35.9	1,482 2.8	45,486 84.3	256 0.5	1,745 3.2	1,343 2.5	5,149 9.5	53,979 100.0
56 Alvena Acres	32,057 43.3	-	3,454 4.7	1,915 2.6	212 0.3	24,729 33.4	1,158 1.6	63,525 85.9	265 0.4	532 0.7	284 0.4	9,351 12.6	73,957 100.0
57 Domremy Acres	28,896 33.8	90 0.1	3,012 3.5	7,194 8.4	36 0.0	31,785 37.2	3,115 3.6	74,128 86.6	644 0.8	2,054 2.4	855 1.0	7,851 9.2	85,532 100.0
<i>Towns</i>													
58 Yellow Creek Acres	12,343 23.9	60 0.1	2,029 3.9	4,084 7.9	25 0.1	16,271 31.6	2,124 4.1	36,936 71.6	95 0.2	2,855 5.5	293 0.6	11,382 22.1	51,561 100.0
59 St. Louis Acres	11,624 22.5	236 0.5	1,770 3.4	4,955 9.6	770 1.5	12,704 24.5	5,198 10.0	37,257 72.0	143 0.3	1,700 3.3	606 1.2	12,032 23.2	51,738 100.0
60 Aberdeen Acres	35,207 36.0	225 0.2	5,536 5.7	4,626 4.7	142 0.2	38,375 39.3	1,994 2.0	86,105 88.1	1,062 1.1	805 0.8	319 0.3	9,410 9.7	97,701 100.0

(continued)

TABLE 2.6 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1969-70 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Specified					Other Crops	Uncult. Land	Total
							Forage Crops	Acres (Subtotal)	Flax	Rapeseed				
61 Middle Lake Acres Percent	14,876 27.8	63 0.1	3,885 7.3	4,524 8.5	40 0.1	14,303 26.8	3,373 6.3	41,064 76.9	591 1.1	515 1.0	754 1.4	10,502 19.6	53,426 100.0	
62 Lake Lenore Acres Percent	38,965 31.5	682 0.5	5,040 4.1	11,914 9.6	4 0.0	43,762 35.3	2,950 2.4	103,317 83.4	1,326 1.1	6,298 5.1	2,817 2.3	10,061 8.1	123,819 100.0	
63 St. Brieux Acres Percent	22,319 20.8	35 0.0	3,202 3.0	10,942 10.2	15 0.0	30,244 28.1	6,712 6.3	73,469 68.4	669 0.6	5,080 4.7	1,086 1.0	27,183 25.3	107,487 100.0	
64 Vonda Acres Percent	30,648 40.3	605 0.8	2,069 2.7	3,981 5.2	400 0.5	26,253 34.5	882 1.2	64,838 85.2	715 0.9	515 0.7	107 0.2	9,902 13.0	76,077 100.0	
65 Viscount Acres Percent	20,876 36.2	643 1.1	1,923 3.3	2,240 3.9	- -	21,069 36.5	2,273 3.9	49,024 84.9	1,645 2.9	955 1.7	367 0.6	5,726 9.9	57,717 100.0	
66 Star City Acres Percent	18,917 24.5	140 0.2	2,233 2.9	8,285 10.7	400 0.5	26,556 34.4	3,139 4.1	59,670 77.3	1,457 1.9	6,161 8.0	456 0.6	9,389 12.2	77,133 100.0	
67 Colonsay Acres Percent	16,767 33.4	2,307 4.6	1,763 3.5	3,096 6.2	118 0.2	19,001 37.9	703 1.4	43,755 87.2	1,930 3.9	377 0.7	296 0.6	3,812 7.6	50,170 100.0	
68 Bruno Acres Percent	38,764 42.6	556 0.6	3,856 4.2	4,294 4.7	- -	31,061 34.1	2,102 2.3	80,633 88.5	287 0.3	190 0.2	306 0.4	9,685 10.6	91,101 100.0	
69 Naicam Acres Percent	34,046 29.5	250 0.2	6,556 5.7	11,629 10.1	- -	40,027 34.7	3,039 2.7	95,547 82.9	786 0.7	5,218 4.5	649 0.6	13,091 11.3	115,291 100.0	
70 Cudworth Acres Percent	33,456 37.3	140 0.2	5,091 5.7	7,767 8.7	45 0.1	29,051 32.4	1,342 1.5	76,892 85.9	865 1.0	498 0.5	1,078 1.2	10,226 11.4	89,559 100.0	
Greater Towns														
71 Kinistino Acres Percent	27,285 21.2	150 0.1	3,674 2.9	22,869 17.7	942 0.7	40,463 31.4	5,607 4.3	100,990 78.3	1,905 1.5	9,179 7.1	751 0.6	16,081 12.5	128,906 100.0	
72 Birch Hills Acres Percent	24,612 25.7	683 0.7	4,480 4.7	14,349 15.0	760 0.8	31,311 32.7	3,323 3.4	79,518 83.0	2,486 2.6	5,518 5.8	407 0.4	7,856 8.2	95,785 100.0	
73 Wakaw Acres Percent	31,290 40.1	245 0.3	2,823 3.6	3,111 4.0	125 0.2	24,898 31.9	1,848 2.4	64,340 82.5	100 0.1	1,536 2.0	253 0.3	11,770 15.1	77,999 100.0	
74 Humboldt Acres Percent	36,424 37.4	1,147 1.2	4,484 4.6	5,668 5.8	- -	33,721 34.7	2,011 2.1	83,455 85.8	937 1.0	2,183 2.2	1,201 1.2	9,483 9.8	97,259 100.0	
75 Melfort Acres Percent	16,731 19.8	- -	2,092 2.5	14,446 17.1	135 0.2	29,925 35.4	3,616 4.3	66,945 79.3	2,069 2.4	8,765 10.4	220 0.3	6,463 7.6	84,462 100.0	

(continued)

TABLE 2.6 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1969-70 (concluded)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)					Other Crops	Uncult. Land	Total
								Flax	Rapeseed						
Study Area Total															
Acres	1,021,353	12,760	143,055	301,733	6,493	1,139,515	115,714	41,742	147,652	22,384	423,389	3,375,790			
Percent	30.3	0.4	4.2	8.9	0.2	33.8	3.4	1.2	4.4	0.7	12.5	100.0			
Saskatchewan Total															
Acres	15,872,495	2,606,821	2,398,645	2,984,539	518,900	19,211,660	2,108,161	678,036	821,577	270,865	9,682,344	57,154,043			
Percent	27.8	4.6	4.2	5.2	0.9	33.6	3.7	1.2	1.4	0.5	16.9	100.0			

Source: Canadian Wheat Board, Winnipeg.

TABLE 2.7 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1970-71

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Subtotal	Flax	Rapeseed	Other Crops	Uncult. Land	Total
<i>Too Small to Classify</i>													
1 Burton Lake Acres	Closed												
Percent													
2 Clarkboro Acres	Closed												
Percent													
3 Rak Acres	Closed												
Percent													
4 Irvington Acres	Closed												
Percent													
5 Thaxted Acres	Closed												
Percent													
6 Waitville Acres	Closed												
Percent													
7 Mileage 102.2 Acres	1,067 8.2	26 0.2	84 0.6	2,042 15.6	-	5,046 38.5	336 2.6	8,601 65.7	347 2.7	3,590 27.4	17 0.1	542 4.1	13,097 100.0
8 Tiger Hills Acres	Closed												
Percent													
9 Rutan Acres	952 5.8	248 1.5	249 1.5	1,267 7.6	-	9,644 58.1	342 2.1	12,702 76.6	899 5.4	1,479 8.9	212 1.3	1,300 7.8	16,592 100.0
10 Claggett Acres	Closed												
Percent													
11 Leofnard Acres	Closed												
Percent													
12 Totzke Acres	2,411 16.5	45 0.3	436 3.0	1,104 7.5	-	6,630 45.2	311 2.1	10,937 74.6	185 1.2	10 0.1	332 2.3	3,195 21.8	14,659 100.0
13 Clemens Acres	40 6.2	-	-	-	-	325 50.8	-	365 57.0	-	70 11.0	-	205 32.0	640 100.0
14 Lepine Acres	3,166 13.1	358 1.5	1,475 6.1	1,651 6.9	-	10,067 41.8	759 3.2	17,476 72.6	819 3.4	3,463 14.4	161 0.6	2,167 9.0	24,086 100.0
15 Carpenter Acres	Closed												
Percent													

(continued)

TABLE 2.7 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1970-71 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Subtotal	Flax	Rapeseed	Other Crops	Uncult. Land	Total
16 Fenton	Closed												
Acres													
Percent													
17 Bremen	6,574	80	1,223	4,960	-	15,512	1,787	30,136	271	863	72	3,807	35,149
Acres	18.7	0.2	3.5	14.1	-	44.1	5.1	85.7	0.8	2.5	0.2	10.8	100.0
Percent													
18 Dixon	2,670	301	1,585	2,037	-	13,346	447	20,386	568	3,141	410	2,830	27,335
Acres	9.8	1.1	5.8	7.5	-	48.8	1.6	74.6	2.1	11.5	1.5	10.3	100.0
Percent													
<i>Hamlets</i>													
19 Daylesford	917	-	234	1,598	-	6,617	517	9,883	260	2,378	-	2,041	14,562
Acres	6.3	-	1.6	11.0	-	45.4	3.6	67.9	1.8	16.3	-	14.0	100.0
Percent													
20 Ens	2,318	4	964	946	-	11,865	558	16,655	252	1,937	40	1,883	20,767
Acres	11.2	0.0	4.6	4.6	-	57.1	2.7	80.2	1.2	9.3	0.2	9.1	100.0
Percent													
21 Lenvale	1,103	10	535	3,269	135	8,185	747	13,984	385	5,004	-	1,538	20,911
Acres	5.3	0.1	2.6	15.6	0.6	39.1	3.6	66.9	1.8	23.9	-	7.4	100.0
Percent													
22 Naisberry	947	1	293	2,233	-	7,737	919	12,130	504	4,772	30	1,419	18,855
Acres	5.0	0.0	1.6	11.8	-	41.0	4.9	64.3	2.7	25.3	0.2	7.5	100.0
Percent													
23 Whitton	1,679	212	661	3,080	-	8,893	722	15,247	709	5,971	185	1,716	23,828
Acres	7.1	0.9	2.8	12.9	-	37.3	3.0	64.0	3.0	25.0	0.8	7.2	100.0
Percent													
24 Silver Park	Closed												
Acres													
Percent													
25 Resource	1,697	-	655	1,659	125	5,498	1,081	10,715	77	1,631	122	3,622	16,167
Acres	10.5	-	4.0	10.3	0.8	34.0	6.7	66.3	0.5	10.1	0.7	22.4	100.0
Percent													
26 Tarnopol	Closed												
Acres													
Percent													
27 Lipsett	1,305	89	634	3,010	80	8,958	1,708	15,784	265	6,268	38	1,988	24,343
Acres	5.3	0.4	2.6	12.4	0.3	36.8	7.0	64.8	1.1	25.7	0.2	8.2	100.0
Percent													
28 Peterson	3,938	706	1,080	2,889	240	17,771	904	27,528	970	1,603	641	6,417	37,159
Acres	10.6	1.9	2.9	7.8	0.7	47.8	2.4	74.1	2.6	4.3	1.7	17.3	100.0
Percent													
29 Moseley	4,049	189	2,441	5,370	-	19,253	1,224	32,526	1,119	6,135	366	3,583	43,729
Acres	9.3	0.4	5.6	12.3	-	44.0	2.8	74.4	2.6	14.0	0.8	8.2	100.0
Percent													
30 Reynaud	2,492	-	665	1,002	-	7,481	558	12,198	379	1,842	100	2,156	16,675
Acres	14.9	-	4.0	6.0	-	44.9	3.4	73.2	2.3	11.0	0.6	12.9	100.0
Percent													

(continued)

TABLE 2.7 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1970-71 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Subtotal	Flax	Rapeseed	Other Crops	Uncult. Land	Total
31 Brancepeth Acres	2,261	20	1,639	8,393	10	16,941	1,417	30,681	1,002	5,342	83	4,688	41,796
Percent	5.4	0.1	3.9	20.1	0.0	40.5	3.4	73.4	2.4	12.8	0.2	11.2	100.0
32 Hagen Acres	1,876	39	1,076	5,457	-	12,184	1,185	21,817	758	4,585	204	1,636	29,000
Percent	6.5	0.1	3.7	18.8	-	42.0	4.1	75.2	2.6	15.8	0.7	5.7	100.0
33 Smuts Acres	2,831	-	639	692	-	7,953	15	12,130	154	219	74	1,554	14,131
Percent	20.0	-	4.5	4.9	-	56.3	0.1	85.8	1.1	1.6	0.5	11.0	100.0
34 Fairy Glen Acres	1,719	35	907	3,639	90	13,448	2,384	22,222	362	6,792	10	3,522	32,908
Percent	5.2	0.1	2.8	11.1	0.3	40.9	7.2	67.5	1.1	20.7	0.0	10.7	100.0
<i>Villages</i>													
35 Ethelton Acres	2,370	106	863	4,840	-	12,697	1,612	22,488	485	8,551	99	4,029	35,652
Percent	6.7	0.3	2.4	13.6	-	35.6	4.5	63.1	1.3	24.0	0.3	11.3	100.0
36 Lac Vert Acres	5,058	91	2,182	4,611	-	18,587	3,209	33,738	528	5,745	123	11,241	51,375
Percent	9.8	0.2	4.3	9.0	-	36.2	6.2	65.7	1.0	11.2	0.2	21.9	100.0
37 Fulda Acres	5,190	242	2,690	5,993	90	24,739	2,283	41,227	1,799	6,414	1,005	4,663	55,108
Percent	9.4	0.4	4.9	10.9	0.2	44.9	4.1	74.8	3.3	11.6	1.8	8.5	100.0
38 Tway Acres	2,016	-	1,266	1,600	-	8,359	967	14,208	267	2,292	-	4,688	21,455
Percent	9.4	-	5.9	7.4	-	39.0	4.5	66.2	1.2	10.7	-	21.9	100.0
39 Pleasantdale Acres	3,701	-	1,696	4,199	105	13,574	6,150	29,425	98	4,619	165	14,306	48,613
Percent	7.6	-	3.5	8.6	0.2	27.9	12.7	60.5	0.2	9.5	0.4	29.4	100.0
40 Beatty Acres	3,962	50	1,630	10,078	100	30,293	1,661	47,774	1,983	19,921	125	5,931	75,734
Percent	5.2	0.1	2.2	13.3	0.1	40.0	2.2	63.1	2.6	26.3	0.2	7.8	100.0
41 Brooksby Acres	3,456	63	1,480	5,605	100	23,458	2,379	36,541	1,080	11,938	-	4,254	53,813
Percent	6.4	0.1	2.8	10.4	0.2	43.6	4.4	67.9	2.0	22.2	-	7.9	100.0
42 Hoey Acres	5,320	-	2,809	6,946	714	21,527	2,829	40,145	207	5,615	526	5,794	52,287
Percent	10.2	-	5.4	13.3	1.3	41.2	5.4	76.8	0.4	10.7	1.0	11.1	100.0
43 Pathlow Acres	2,194	-	861	4,437	85	10,720	2,780	21,077	381	5,694	129	6,656	33,937
Percent	6.5	-	2.5	13.1	0.2	31.6	8.2	62.1	1.1	16.8	0.4	19.6	100.0
44 Elstow Acres	877	686	504	1,143	-	12,516	591	16,317	1,108	1,524	180	1,860	20,989
Percent	4.2	3.3	2.4	5.4	-	59.6	2.8	77.7	5.3	7.3	0.8	8.9	100.0
45 Meskanaw Acres	3,415	593	1,256	5,195	-	12,812	3,105	26,376	913	7,490	142	9,804	44,725
Percent	7.6	1.3	2.8	11.6	-	28.7	7.0	59.0	2.0	16.8	0.3	21.9	100.0

(continued)

TABLE 2.7 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1970-71 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Subtotal	Flax	Rapeseed	Other Crops	Uncult. Land	Total
46 Pilger Acres	3,768	70	3,089	2,485	-	13,144	3,152	25,708	315	1,682	150	3,931	31,786
Percent	11.9	0.2	9.7	7.8	-	41.4	9.9	80.9	1.0	5.3	0.5	12.3	100.0
47 Crystal Springs Acres	2,478	-	1,519	1,772	-	8,774	1,771	16,314	49	1,260	11	6,026	23,660
Percent	10.5	-	6.4	7.5	-	37.1	7.5	69.0	0.2	5.3	0.0	25.5	100.0
48 Gronlid Acres	6,001	-	3,384	4,612	236	21,267	6,697	42,197	442	10,045	80	11,097	63,861
Percent	9.4	-	5.3	7.2	0.4	33.3	10.5	66.1	0.7	15.7	0.1	17.4	100.0
49 Carmel Acres	9,414	226	3,650	3,378	2	29,480	2,322	48,472	1,214	3,691	333	12,971	66,681
Percent	14.1	0.3	5.5	5.1	0.0	44.2	3.5	72.7	1.8	5.5	0.5	19.5	100.0
50 Weldon Acres	4,357	30	3,168	14,305	319	27,817	4,910	54,906	1,003	13,295	52	11,384	80,770
Percent	5.4	0.1	3.9	17.7	0.4	34.5	6.1	68.1	1.2	16.5	0.1	14.1	100.0
51 Meacham Acres	9,225	1,736	1,651	8,126	100	40,008	1,279	62,125	2,006	4,244	626	11,136	80,137
Percent	11.5	2.2	2.1	10.1	0.1	49.9	1.6	77.5	2.5	5.3	0.8	13.9	100.0
52 St. Benedict Acres	6,015	319	2,154	4,187	-	19,659	2,211	34,545	1,188	5,302	559	6,674	48,268
Percent	12.5	0.7	4.5	8.7	-	40.7	4.6	71.6	2.5	11.1	1.2	13.8	100.0
53 Ridgedale Acres	3,652	108	3,535	5,955	303	29,570	6,012	49,135	1,098	16,341	219	5,381	72,174
Percent	5.1	0.1	4.9	8.2	0.5	41.0	8.3	68.1	1.5	22.6	0.3	7.5	100.0
54 Prud'homme Acres	16,517	905	4,285	4,406	-	40,161	2,488	68,762	618	2,138	822	13,907	86,247
Percent	19.1	1.0	5.0	5.1	-	46.6	2.9	79.7	0.7	2.5	1.0	16.1	100.0
55 Muenster Acres	5,682	128	3,416	3,821	-	24,186	2,343	39,576	599	5,387	1,177	5,480	52,219
Percent	10.9	0.3	6.5	7.3	-	46.3	4.5	75.8	1.1	10.3	2.3	10.5	100.0
56 Alvena Acres	13,974	100	4,342	3,062	37	36,687	2,230	60,432	1,300	5,826	189	11,628	79,375
Percent	17.6	0.1	5.5	3.9	0.0	46.2	2.8	76.1	1.6	7.4	0.2	14.7	100.0
57 Domremy Acres	9,671	188	4,480	8,949	-	42,553	4,052	69,893	1,076	8,027	1,975	9,548	90,519
Percent	10.7	0.2	4.9	9.9	-	47.0	4.5	77.2	1.2	8.9	2.2	10.5	100.0
Towns													
58 Yellow Creek Acres	3,722	80	2,006	3,458	35	17,322	2,954	29,577	404	7,836	110	13,249	51,176
Percent	7.3	0.1	3.9	6.8	0.1	33.8	5.8	57.8	0.8	15.3	0.2	25.9	100.0
59 St. Louis Acres	4,309	-	1,785	6,956	862	20,307	7,227	41,446	575	5,302	215	13,647	61,185
Percent	7.0	-	2.9	11.4	1.4	33.2	11.8	67.7	0.9	8.7	0.4	22.3	100.0
60 Aberdeen Acres	14,673	2,088	6,291	7,881	127	46,715	2,892	80,667	1,829	3,168	258	10,293	96,215
Percent	15.2	2.2	6.5	8.2	0.1	48.6	3.0	83.8	1.9	3.3	0.3	10.7	100.0

(continued)

TABLE 2.7 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1970-71 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Subtotal	Flax	Rapeseed	Other Crops	Uncult. Land	Total
61 Middle Lake Acres Percent	6,968 12.2	85 0.2	3,535 6.2	4,538 7.9	-	20,502 35.8	5,792 10.1	41,420 72.4	1,090 1.9	2,860 5.0	421 0.7	11,458 20.0	57,249 100.0
62 Lake Lenore Acres Percent	11,505 8.7	905 0.7	4,372 3.3	16,687 12.7	100 0.1	55,369 42.1	4,907 3.7	93,845 71.3	2,738 2.1	19,035 14.4	2,849 2.2	13,208 10.0	131,675 100.0
63 St. Brieux Acres Percent	8,246 7.3	37 0.0	3,619 3.2	10,493 9.2	70 0.1	36,166 31.9	8,266 7.3	66,897 59.0	1,880 1.7	14,059 12.4	332 0.3	30,163 26.6	113,331 100.0
64 Vonda Acres Percent	12,567 16.4	795 1.1	2,921 3.8	6,604 8.6	110 0.2	35,193 46.0	2,012 2.6	60,202 78.7	1,581 2.1	3,471 4.5	244 0.3	10,971 14.4	76,469 100.0
65 Viscount Acres Percent	3,557 5.9	421 0.7	1,938 3.2	2,936 4.9	-	32,821 54.7	3,584 6.0	45,257 75.4	2,751 4.6	5,611 9.3	428 0.7	5,988 10.0	60,035 100.0
66 Star City Acres Percent	5,601 7.0	-	1,588 2.0	8,023 10.1	503 0.6	30,742 38.6	4,095 5.2	50,552 63.5	1,970 2.5	15,920 20.0	114 0.2	11,012 13.8	79,568 100.0
67 Colonsay Acres Percent	2,845 5.7	1,381 2.8	1,727 3.4	4,548 9.0	-	28,495 56.6	1,207 2.4	40,203 79.9	3,593 7.1	2,059 4.1	115 0.2	4,349 8.7	50,319 100.0
68 Bruno Acres Percent	16,254 17.9	1,252 1.4	4,533 5.0	6,248 6.9	145 0.1	44,087 48.5	3,601 4.0	76,120 83.8	1,253 1.4	2,097 2.3	584 0.6	10,802 11.9	90,856 100.0
69 Naicam Acres Percent	8,382 7.4	177 0.2	3,979 3.5	12,329 11.0	150 0.1	48,510 43.1	4,576 4.1	78,103 69.4	1,687 1.5	16,413 14.6	266 0.2	16,066 14.3	112,535 100.0
70 Cudworth Acres Percent	15,957 16.8	35 0.0	5,348 5.6	10,984 11.6	-	41,354 43.6	2,649 2.8	76,327 80.4	1,993 2.1	3,948 4.1	449 0.5	12,211 12.9	94,928 100.0
Greater Towns													
71 Kinistino Acres Percent	8,338 6.4	137 0.1	3,805 2.9	22,766 17.3	715 0.5	48,609 37.0	6,410 4.9	90,780 69.1	1,838 1.4	20,031 15.3	606 0.5	18,006 13.7	131,261 100.0
72 Birch Hills Acres Percent	7,583 7.4	220 0.2	3,732 3.7	19,324 18.9	440 0.4	42,744 41.8	4,638 4.5	78,681 76.9	2,283 2.2	13,166 12.9	220 0.2	8,026 7.8	102,376 100.0
73 Wakaw Acres Percent	9,127 10.7	276 0.3	3,970 4.7	4,606 5.4	75 0.1	40,960 48.2	3,479 4.1	62,493 73.5	879 1.0	7,156 8.4	567 0.7	13,910 16.4	85,005 100.0
74 Humboldt Acres Percent	9,065 9.3	1,139 1.2	4,608 4.7	8,118 8.4	20 0.0	45,089 46.5	2,818 2.9	70,857 73.0	1,627 1.7	11,176 11.5	2,034 2.1	11,368 11.7	97,062 100.0
75 Melfort Acres Percent	7,102 6.3	84 0.1	2,268 2.0	12,906 11.5	347 0.3	41,746 37.1	6,171 5.5	70,624 62.8	2,162 1.9	28,019 24.9	177 0.2	11,452 10.2	112,434 100.0

(continued)

TABLE 2.7 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1970-71 (concluded)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Subtotal	Flax	Rapeseed	Other Crops	Uncult. Land	Total
Study Area Total													
Acres	330,126	17,116	135,410	345,408	6,570	1,412,673	162,232	2,409,535	62,175	405,463	21,773	460,377	3,359,323
Percent	9.8	0.5	4.0	10.3	0.2	42.1	4.8	71.7	1.9	12.1	0.6	13.7	100.0
Saskatchewan Total													
Acres	6,436,002	2,413,010	2,180,831	3,545,101	426,360	25,050,593	3,000,609	43,052,506	1,516,244	2,163,118	193,066	10,201,869	57,126,803
Percent	11.3	4.2	3.8	6.2	0.7	43.9	5.3	75.4	2.6	3.8	0.3	17.9	100.0

Source: Canadian Wheat Board, Winnipeg.

### Crop Yields

Detailed crop yields for each delivery point are set out in Table 2.8. The ten-year high, low, range and average yields of spring wheat, durum wheat, oats, barley and flaxseed are given. In some instances complete information was not available.

The ten-year average yields of spring wheat and durum wheat in the study area were about the same: 24.6 and 25.4 bushels per acre respectively. For the other grains the average yields per acre were as follows: oats, 46.5 bushels; barley, 35.9 bushels; and flaxseed, 13.9 bushels. Table 2.8 shows the variation in yields at different delivery points. In the totals for the study area, the range between the high and low yields for each grain is greater than the ten-year average.

TABLE 2.8 TEN-YEAR AVERAGE YIELDS OF SPRING WHEAT, DURUM, OATS, BARLEY AND FLAXSEED BY DELIVERY POINT, 1962-71

Delivery Point	Spring Wheat				Durum				Oats				Barley				Flaxseed			
	High	Low	Range	Ten-Year Average	High	Low	Range	Ten-Year Average	High	Low	Range	Ten-Year Average	High	Low	Range	Ten-Year Average	High	Low	Range	Ten-Year Average
- bushels per acre -																				
<i>Too Small to Classify</i>																				
1 Burton Lake	Closed																			
2 Clarkboro	Closed																			
3 Rak	35	13	22	25.6 <sup>e</sup>	25	25	0	25.0 <sup>a</sup>	45	20	25	37.0 <sup>e</sup>	55	20	35	37.0 <sup>e</sup>	-	-	-	-
4 Irvington	40	10	30	25.6 <sup>g</sup>	-	-	-	-	51	15	35	37.3 <sup>g</sup>	45	18	27	31.9 <sup>g</sup>	15	6	9	11.5 <sup>d</sup>
5 Thaxted	35	25	10	30.4 <sup>e</sup>	-	-	-	-	70	35	35	53.0 <sup>e</sup>	45	30	15	38.0 <sup>e</sup>	20	17	3	18.5 <sup>b</sup>
6 Waitville	Closed																			
7 Mileage 102.2	35	20	15	29.0 <sup>i</sup>	35	35	0	35.0 <sup>b</sup>	60	30	30	44.4 <sup>i</sup>	45	22	23	36.7 <sup>i</sup>	20	8	12	15.4 <sup>h</sup>
8 Tiger Hills	35	15	20	24.7 <sup>g</sup>	-	-	-	-	55	25	30	40.7 <sup>g</sup>	50	20	30	35.0 <sup>g</sup>	15	7	8	12.2 <sup>e</sup>
9 Rutan	35	15	20	27.1	35	15	20	25.9	70	25	45	55.6 <sup>i</sup>	60	20	40	42.6	20	10	10	15.9 <sup>i</sup>
10 Claggett	40	20	20	31.0 <sup>h</sup>	9	9	0	9.0 <sup>a</sup>	70	30	40	49.3 <sup>g</sup>	50	25	25	40.6 <sup>h</sup>	20	10	10	15.0 <sup>e</sup>
11 Leofnard	30	16	14	24.0 <sup>h</sup>	-	-	-	-	60	15	45	37.5 <sup>h</sup>	50	20	30	33.9 <sup>h</sup>	-	-	-	-
12 Totzke	33	8	25	23.9	25	25	0	25.0 <sup>a</sup>	80	8	72	44.1 <sup>h</sup>	50	8	42	33.4 <sup>h</sup>	20	20	0	20.0 <sup>a</sup>
13 Clemens	35	20	15	27.1 <sup>h</sup>	35	35	0	35.0 <sup>a</sup>	60	25	35	41.9 <sup>h</sup>	40	25	15	33.1 <sup>h</sup>	25	12	13	18.0 <sup>d</sup>
14 Lepine	30	12	18	23.4	27	24	3	25.3 <sup>c</sup>	70	10	60	43.4	50	10	40	35.8	20	12	8	15.8 <sup>d</sup>
15 Carpenter	35	20	15	27.9 <sup>g</sup>	-	-	-	-	70	50	20	60.0 <sup>g</sup>	50	35	15	44.3 <sup>g</sup>	20	15	5	17.5 <sup>b</sup>
16 Fenton	35	10	25	22.0 <sup>h</sup>	25	20	5	22.5 <sup>b</sup>	50	10	40	37.5 <sup>h</sup>	50	12	38	35.3 <sup>h</sup>	20	15	15	13.1 <sup>g</sup>
17 Bremen	30	12	18	22.6	20	20	0	20.0 <sup>a</sup>	60	20	40	45.8	50	15	35	35.9	20	16	4	18.0 <sup>b</sup>
18 Dixon	30	15	15	24.4	30	25	5	27.0 <sup>c</sup>	70	30	40	49.0	60	20	40	37.5	18	10	8	14.0 <sup>d</sup>
<i>Hamlets</i>																				
19 Daylesford	40	25	15	31.5	-	-	-	-	60	40	20	45.5	50	30	20	38.2	20	12	8	17.3 <sup>h</sup>
20 Ens	35	12	23	25.6 <sup>i</sup>	25	25	0	25.0 <sup>a</sup>	70	15	55	46.1 <sup>i</sup>	50	15	35	34.4 <sup>i</sup>	12	10	2	11.3 <sup>c</sup>
21 Lenvale	40	20	20	27.7	20	20	0	20.0 <sup>a</sup>	90	20	70	48.5	50	20	30	35.0	20	5	15	11.9 <sup>i</sup>
22 Naisberry	35	20	15	28.3	20	20	0	20.0 <sup>a</sup>	60	35	25	47.0	50	25	25	36.0	25	15	10	17.5 <sup>d</sup>
23 Whitome	35	20	15	29.5	30	25	5	26.7 <sup>c</sup>	70	35	35	55.7	45	26	24	41.8	25	6	19	14.7
24 Silver Park	30	18	12	23.6 <sup>h</sup>	-	-	-	-	75	22	53	47.1 <sup>h</sup>	45	25	20	36.3 <sup>h</sup>	9	9	0	9.0 <sup>a</sup>
25 Resource	30	20	10	26.4 <sup>i</sup>	-	-	-	-	65	40	25	52.8 <sup>i</sup>	50	20	30	34.4 <sup>i</sup>	20	10	10	14.1 <sup>i</sup>
26 Tarnopol	25	15	10	21.7 <sup>c</sup>	-	-	-	-	30	10	20	18.3 <sup>c</sup>	30	10	20	20.0 <sup>c</sup>	-	-	-	-
27 Lipsett	42	22	20	29.7	30	12	18	20.7 <sup>c</sup>	80	20	60	56.1	55	20	35	41.6	25	5	20	15.9 <sup>h</sup>
28 Peterson	30	12	18	22.3	30	12	18	22.7 <sup>i</sup>	60	30	30	47.0	50	20	30	35.8	20	6	14	13.5 <sup>h</sup>
29 Moseley	38	18	20	27.9	50	25	25	38.3 <sup>c</sup>	70	25	45	51.8	55	20	35	38.3	18	10	8	13.9
30 Reynaud	35	15	20	25.1	30	15	15	22.5 <sup>b</sup>	60	20	40	42.0	50	20	30	35.0	20	8	12	14.2 <sup>f</sup>
31 Brancepeth	30	18	12	25.3 <sup>i</sup>	30	20	10	25.0 <sup>c</sup>	50	20	30	43.9 <sup>i</sup>	45	15	30	31.9 <sup>i</sup>	20	8	12	12.7 <sup>i</sup>
32 Hagen	40	12	28	26.2	25	20	5	22.4 <sup>e</sup>	95	15	80	48.4	50	17	33	37.4	20	10	10	13.9
33 Smuts	40	14	16	24.0 <sup>i</sup>	22	22	0	22.0 <sup>a</sup>	60	40	20	49.6 <sup>i</sup>	50	20	30	37.3 <sup>i</sup>	20	20	0	20.0 <sup>a</sup>
34 Fairy Glen	35	15	20	25.7	20	20	0	20.0 <sup>a</sup>	70	25	45	48.0	60	18	42	37.8	15	10	5	12.5 <sup>d</sup>
<i>Villages</i>																				
35 Ethelton	35	18	17	27.0	20	20	0	20.0 <sup>b</sup>	70	25	45	52.0	50	25	25	37.0	15	8	7	11.4 <sup>i</sup>
36 Lac Vert	35	20	15	27.0	30	25	5	27.1 <sup>g</sup>	80	35	45	52.5	60	30	30	43.0	20	10	10	18.0 <sup>e</sup>
37 Fulda	32	15	17	25.3	40	20	20	28.8 <sup>d</sup>	60	30	30	46.5	55	25	30	41.0	20	12	8	15.3 <sup>g</sup>
38 Tway	38	13	25	24.1	30	30	0	30.0 <sup>a</sup>	60	20	40	42.0	50	15	35	32.5	15	15	0	15.0 <sup>c</sup>
39 Pleasantdale	35	18	17	26.3	30	18	12	26.8 <sup>d</sup>	60	40	20	46.0	45	20	25	34.5	20	20	0	20.0 <sup>c</sup>
40 Beatty	35	18	17	25.5	35	20	15	30.0 <sup>c</sup>	70	30	40	48.0	45	20	25	33.3	20	10	10	13.0
41 Brooksby	40	20	20	30.1	40	30	10	33.3 <sup>c</sup>	70	35	35	52.5	45	30	15	37.5	20	8	12	13.0
42 Hoey	30	15	15	24.4	25	25	0	25.0 <sup>a</sup>	70	20	50	42.5	40	15	25	30.3	15	8	7	11.6 <sup>g</sup>

See footnotes at end of table

(continued)

TABLE 2.8 TEN-YEAR AVERAGE YIELDS OF SPRING WHEAT, DURUM, OATS, BARLEY AND FLAXSEED BY DELIVERY POINT, 1962-71 (concluded)

Delivery Point	Spring Wheat				Durum				Oats				Barley				Flaxseed			
	High	Low	Range	Ten-Year Average	High	Low	Range	Ten-Year Average	High	Low	Range	Ten-Year Average	High	Low	Range	Ten-Year Average	High	Low	Range	Ten-Year Average
	- bushels per acre -																			
43 Pathlow	31	20	11	24.6	40	40	0	40.0 <sup>a</sup>	70	35	35	50.0	40	30	10	36.0	25	10	15	14.5
44 Elstow	30	6	24	22.1	30	6	24	20.4	60	10	50	38.5	40	10	30	31.5	22	7	15	12.8
45 Meskanaw	35	15	20	26.8	35	25	10	30.0 <sup>d</sup>	60	20	40	45.6	55	22	33	40.2	25	8	17	17.5 <sup>h</sup>
46 Pilger	32	18	14	25.6	35	25	10	30.0 <sup>c</sup>	75	30	45	53.5	50	25	25	36.0	25	12	13	17.4 <sup>e</sup>
47 Crystal Springs	27	16	11	23.3 <sup>i</sup>	-	-	-	-	65	20	45	48.3 <sup>i</sup>	40	20	20	31.1 <sup>i</sup>	20	10	10	17.5 <sup>d</sup>
48 Gronlid	30	14	16	23.9	35	16	19	24.4 <sup>i</sup>	58	30	28	47.0	42	25	17	33.6	16	12	4	14.3 <sup>c</sup>
49 Carmel	30	10	20	21.9	30	10	20	23.8 <sup>d</sup>	50	22	28	40.0	45	20	25	33.9	12	12	0	12.0 <sup>b</sup>
50 Weldon	30	12	18	24.0	30	20	10	20.0 <sup>b</sup>	60	20	40	42.0	45	15	30	33.8	20	8	12	11.9
51 Meacham	32	18	14	25.6 <sup>i</sup>	33	20	13	28.1 <sup>h</sup>	25	30	45	47.8	50	30	20	40.6 <sup>i</sup>	15	8	7	13.5 <sup>h</sup>
52 St. Benedict	35	20	15	26.8 <sup>i</sup>	35	20	15	26.7 <sup>c</sup>	60	25	35	42.2 <sup>i</sup>	45	25	20	36.1 <sup>i</sup>	20	18	2	19.3 <sup>c</sup>
53 Ridgedale	30	15	15	24.6 <sup>i</sup>	-	-	-	-	60	30	30	45.6 <sup>i</sup>	40	20	20	32.8 <sup>i</sup>	12	8	4	10.3 <sup>h</sup>
54 Prud'homme	30	8	22	19.8	30	10	20	20.0 <sup>h</sup>	75	10	65	41.5	50	10	40	33.5	30	10	20	20.0 <sup>c</sup>
55 Muenster	30	18	12	24.9	30	20	10	27.5 <sup>d</sup>	80	25	35	46.0	60	20	40	39.0	15	10	5	11.8
56 Alvena	28	12	16	22.7	30	20	10	25.0 <sup>b</sup>	80	20	60	55.0	60	20	40	36.8	15	5	10	12.0
57 Domremy	35	10	25	26.3	30	10	20	21.7 <sup>c</sup>	60	10	50	43.0	50	10	40	36.8	20	10	10	15.0 <sup>e</sup>
<i>Towns</i>																				
58 Yellow Creek	32	20	12	26.1 <sup>i</sup>	30	14	16	21.0 <sup>d</sup>	60	25	35	41.5	45	20	25	34.5	20	8	12	13.6 <sup>e</sup>
59 St. Louis	30	8	22	23.6	30	30	0	30.0 <sup>a</sup>	80	7	73	46.7	60	8	52	35.9	20	8	12	12.5 <sup>f</sup>
60 Aberdeen	35	13	22	25.8 <sup>i</sup>	30	25	5	28.8 <sup>d</sup>	80	25	55	48.9 <sup>i</sup>	50	20	30	36.7 <sup>i</sup>	20	15	5	16.7 <sup>c</sup>
61 Middle Lake	35	22	13	28.6	30	25	5	27.5 <sup>d</sup>	60	30	30	48.0	50	25	25	39.3	15	12	3	13.0 <sup>f</sup>
62 Lake Lenore	35	23	12	27.9	35	25	10	32.1 <sup>g</sup>	70	35	35	56.5	75	35	40	45.0	20	8	12	15.1
63 St. Brieux	30	18	12	25.1	20	10	10	16.7 <sup>c</sup>	50	25	25	36.5	40	25	15	33.0	15	7	8	13.1
64 Vonda	30	8	22	21.2	20	20	0	20.0 <sup>c</sup>	60	20	40	48.0	50	14	36	30.9	20	10	10	15.0 <sup>e</sup>
65 Viscount	30	17	13	25.9	35	16	19	27.8 <sup>g</sup>	75	25	50	49.5	60	20	40	38.3 <sup>i</sup>	20	10	10	15.3
66 Star City	35	18	17	26.0	25	20	5	21.7 <sup>c</sup>	70	30	40	51.0	45	25	20	34.5	20	10	10	14.0
67 Colonsay	35	15	20	25.0	42	12	30	27.0	65	20	45	48.5	60	20	40	41.0	20	7	13	14.9
68 Bruno	30	10	20	21.2	32	11	21	22.5	50	20	30	37.0	55	17	38	35.2	22	5	17	12.3 <sup>i</sup>
69 Naicam	40	24	16	29.2	35	30	5	32.0 <sup>e</sup>	70	40	30	55.5	50	35	15	43.0	20	12	8	17.5
70 Cudworth	30	15	15	23.0	25	20	5	22.5 <sup>d</sup>	60	18	42	40.3	45	20	25	32.6	15	6	9	10.8
<i>Greater Towns</i>																				
71 Kinistino	30	15	15	24.7	35	15	20	26.3 <sup>d</sup>	80	30	50	54.5	50	20	30	37.0	20	10	10	16.0
72 Birch Hills	35	15	20	25.9	30	20	10	25.0 <sup>d</sup>	70	15	55	49.5	50	15	35	38.0	20	5	15	13.6
73 Wakaw	28	13	15	23.7	25	20	5	22.5 <sup>b</sup>	60	25	35	44.4 <sup>i</sup>	45	25	20	34.0	20	8	7	11.3 <sup>d</sup>
74 Humboldt	30	14	16	23.5	30	10	20	21.7 <sup>f</sup>	60	30	30	45.5	50	25	25	37.5	15	10	5	11.6 <sup>g</sup>
75 Melfort	35	18	17	27.2	35	30	5	32.5 <sup>b</sup>	60	40	20	50.5	50	22	28	37.4	20	8	12	14.3
Study Area Total	42	6	36	24.6 <sup>j</sup>	50	6	44	25.4 <sup>j</sup>	95	7	88	46.5 <sup>j</sup>	75	8	67	35.9 <sup>j</sup>	30	5	25	13.9 <sup>j</sup>

<sup>a</sup>1-year average  
<sup>b</sup>2-year average  
<sup>c</sup>3-year average  
<sup>d</sup>4-year average  
<sup>e</sup>5-year average  
<sup>f</sup>6-year average  
<sup>g</sup>7-year average  
<sup>h</sup>8-year average  
<sup>i</sup>9-year average  
<sup>j</sup>Calculated as an average of the above averages weighted by the number of years each represents.

Source: Canadian Wheat Board, Winnipeg.

### Protein Content of Wheat

Regulations under the new Canada Grain Act incorporate protein content into the grading system. Although there are other quality factors to be considered, protein content is closely watched by millers and bakers.

Table 2.9 shows the protein content for samples of wheat by delivery point over a ten-year period. Totals for the study area and for the province are also given. It can be seen that protein content varies considerably from year to year and from delivery point to delivery point. The lowest percentage recorded in the study area was 9.4 at Meacham in 1970. This was still above the low of 8.8 percent for Saskatchewan that year. The highest level obtained was 18.4 percent at Bruno in 1963. This reading was well below the provincial high of 19.7 percent set in 1968. Most of the readings are in the 13.0 to 15.0 percent range.

The average protein levels in both the province and the Melfort-Wakaw area were highest in 1964 and lowest in 1966. From 1962 to 1971 the annual averages for individual delivery points ranged from 9.7 percent at Elstow to 17.2 percent at Tarnopol.

The fact that the average values are frequently based on only one sample underlines the need for caution when evaluating these data. The number of samples at each delivery point in any given year ranges from one to nine with the majority being in the neighborhood of three to five samples.

TABLE 2.9 PROTEIN CONTENT OF HARD RED SPRING WHEAT BY DELIVERY POINT, 1962 TO 1971

Delivery Point	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
Aver- age	Range	Aver- age	Range	Aver- age	Range	Aver- age	Range	Aver- age	Range	Aver- age
- per cent -										
<i>Too Small to Classify</i>										
1 Burton Lake	*	*	*	*	*	Closed	Closed	*	Closed	*
2 Clarkboro	*	*	*	*	*	*	*	*	*	*
3 Rak	n.a.	n.a.	15.1	14.8-16.9	14.0	13.4-14.3	n.a.	n.a.	n.a.	n.a.
4 Irvington	n.a.	n.a.	14.3	13.7-15.1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5 Thaxted	13.1	12.2-14.0	14.0	12.1-16.3	n.a.	n.a.	13.2	13.4	Closed	Closed
6 Waitville	*	*	*	*	*	*	*	*	*	*
7 Mileage 102.2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8 Tiger Hills	14.5	13.5-15.6	14.3	13.3-15.8	15.1	14.2-16.3	n.a.	n.a.	n.a.	n.a.
9 Rutan	14.7	13.4-15.3	15.4	14.8-16.8	15.8	15.6-16.1	13.9	13.3-14.9	13.2	12.2-13.8
10 Claggett	15.0	14.1-15.8	14.7	13.3-15.5	15.1	13.9-17.0	12.8	13.5	12.4	10.9-14.0
11 Leonard	13.8	11.6-15.0	13.2	15.3	14.8-16.2	14.0	13.6-14.4	12.5	15.0	14.8-15.1
12 Lotzke	13.9	13.4-14.6	15.4	14.7-16.3	16.9	15.9-17.7	14.0	13.6-14.4	14.6	12.6-15.9
13 Clemens	13.0	13.6-14.2	14.0	13.5-14.6	16.1	15.9-16.6	11.7	11.3-12.5	13.7	13.6
14 Lepine	15.2	14.8-15.5	14.0	10.7-17.4	15.5	14.9-16.1	14.4	13.3-14.9	13.2	14.8
15 Carpenter	14.1	n.a.	n.a.	n.a.	14.1	13.3-14.9	13.0	12.7-13.3	14.5	13.4-15.5
16 Fenton	14.1	n.a.	n.a.	n.a.	14.1	13.3-14.9	13.0	12.7-13.3	14.5	13.4-15.5
17 Bremen	15.2	14.6-16.0	15.1	13.6-17.0	16.7	15.7-17.7	14.6	13.1-15.6	13.1	11.8-15.0
18 Dixon	14.4	-	14.9	12.9-16.0	16.5	16.2-16.7	14.2	13.7-15.0	12.9	11.8-14.2
Hamlets										
19 Daylesford	14.3	13.7-15.3	12.7	13.0-14.5	15.2	13.2-16.7	12.6	12.6-12.7	12.4	14.0
20 Ens	14.8	14.1-15.6	14.9	12.9-16.4	15.4	13.2-16.7	12.6	12.6-12.7	12.4	14.0
21 Lenvale	15.2	14.5-17.2	12.9	11.6-14.3	15.1	13.0-16.0	12.9	10.7-14.7	12.5	11.2-13.8
22 Hartsberry	14.9	14.7-15.1	13.6	11.5-15.7	16.7	-	12.7	11.9-13.5	13.1	12.4-13.8
23 Whitmore	15.8	15.7-15.8	15.5	n.a.	16.6	-	14.7	14.3-15.4	12.7	11.6-11.7
24 Silver Park	13.9	-	13.9	12.9-14.9	15.8	15.0-16.3	12.7	10.5-13.6	11.8	13.2
25 Resource	13.5	12.6-14.6	13.3	-	16.8	-	12.1	10.5-13.6	11.8	13.2
26 Tarnopol	12.8	12.3-14.0	14.4	12.6-16.8	17.2	-	10.7	9.5-11.5	13.5	13.1
27 Lipsett	14.6	13.4-15.7	13.9	-	16.7	16.3-17.1	12.9	11.9-13.5	13.5	13.1
28 Peterson	14.4	13.5-15.0	14.7	13.1-16.7	16.0	13.6-16.9	14.1	13.2-14.4	13.6	13.2-13.9
29 Moseley	14.4	13.5-15.2	15.5	14.4-16.7	15.1	14.9-15.3	14.0	13.6-14.4	12.6	12.1-13.0
30 Reynaud	14.6	14.1-15.6	14.6	13.2-15.8	16.2	15.8-16.6	13.5	11.2-14.5	n.a.	14.0
31 Brancepeth	14.4	13.7-15.4	13.2	12.0-14.7	16.4	16.1-17.0	13.4	13.0-13.6	13.1	12.3-14.3
32 Hagen	14.0	13.2-14.8	14.3	12.3-15.6	17.0	-	14.1	13.7-14.5	12.0	11.0-12.8
33 Shuts	13.6	-	14.2	12.1-16.5	16.0	15.4-16.5	14.0	12.5-16.3	12.8	11.4-13.6
34 Fairy Glen	13.0	12.1-14.7	12.0	10.9-13.4	16.2	15.0-17.3	13.2	11.8-14.1	13.0	12.8-13.1
Villages										
35 Ethelton	15.6	14.0-16.7	14.0	12.2-15.2	15.5	14.7-16.5	13.7	11.9-16.2	13.3	12.5-14.2
36 Lac Vert	14.1	14.0-14.4	13.1	11.0-15.1	14.8	13.1-15.7	13.0	12.7-13.2	12.5	11.9-13.7
37 Fulda	14.6	13.4-15.6	15.6	12.8-17.6	14.5	14.1-14.9	13.4	10.9-15.0	13.0	12.5-13.3
38 Tway	14.0	12.4-15.8	13.7	11.6-16.2	15.7	14.6-17.6	12.5	11.5-13.5	11.9	12.1-13.2
39 Pleasantdale	13.8	13.3-14.1	13.8	11.8-14.9	15.1	14.6-15.6	12.6	11.6-14.4	12.5	12.1-13.2
40 Beatty	14.6	14.2-15.0	13.5	12.4-14.4	16.0	15.3-17.0	12.6	12.0-13.1	13.4	12.7-14.8
41 Brooksby	14.4	13.3-15.8	13.6	12.6-14.6	16.1	14.9-16.9	12.7	12.1-13.2	12.7	11.7-13.7
42 Hoevel	13.3	12.2-14.1	14.9	14.1-15.7	16.2	15.8-16.6	14.0	13.6-14.5	12.7	11.4-13.9
43 Pathlow	13.4	12.8-15.1	12.8	11.1-16.0	13.5	-	11.8	11.6-12.2	12.0	11.4-12.8
44 Elstow	14.6	14.3-14.9	15.4	15.3-15.4	15.9	15.3-16.3	14.6	14.4-14.7	12.5	12.2-12.7
45 Weskanaw	14.9	14.1-15.5	14.9	14.2-16.1	15.8	15.4-16.4	13.0	12.4-13.3	13.0	11.6-14.1
46 Priger	15.2	15.1-15.4	15.0	13.9-16.7	14.6	14.2-14.6	12.8	11.6-14.0	12.7	11.7-13.9
47 Crystal Springs	13.2	11.9-14.3	12.0	-	15.2	14.3-15.7	13.2	12.0-13.4	13.6	12.2-13.6
48 Gronitid	13.1	11.7-15.2	13.0	12.4-13.7	13.0	12.5-13.7	11.9	11.5-13.7	11.9	11.3-13.1
49 Carmel	14.1	-	15.0	15.0-15.2	14.8	13.2-17.4	14.6	12.8-16.3	13.5	13.1-14.1
50 Weidon	13.4	11.2-14.6	10.8	-	15.5	14.7-17.3	13.8	12.8-15.0	12.9	10.8-15.4
51 Weacham	13.6	12.7-14.5	16.0	14.0-17.2	16.4	15.7-16.7	15.1	13.7-15.8	13.4	13.0-15.1
52 St. Benedict	14.2	10.7-15.3	14.4	11.5-16.2	16.3	15.8-17.2	12.7	10.5-15.0	12.5	11.2-13.2
53 Ridgedale	12.5	11.5-13.2	12.7	11.8-13.6	15.5	14.6-16.3	12.6	12.2-13.1	11.7	10.4-13.0

See footnotes at end of table (continued)

TABLE 2.9 PROTEIN CONTENT OF HARD RED SPRING WHEAT BY DELIVERY POINT, 1962 TO 1971 (concluded)

Delivery Point	1962		1963		1964		1965		1966		1967		1968		1969		1970		1971	
	Aver- age	Range	Aver- age	Range	Aver- age	Range	Aver- age	Range	Aver- age	Range	Aver- age	Range	Aver- age	Range	Aver- age	Range	Aver- age	Range	Aver- age	Range
- percent -																				
54 Prud'homme	15.0	13.6-16.0	15.0	12.9-17.2	15.4	14.8-16.0	14.8	13.6-16.3	13.2	12.7-14.4	15.0	13.8-16.5	14.7	13.7-15.7	15.4	13.9-16.1	13.7	11.8-15.3	13.7	10.9-15.8
55 Muenster	14.3	13.6-15.2	14.3	12.9-15.5	16.5	16.2-17.0	13.7	13.0-14.4	12.9	12.4-13.2	14.1	13.7-14.8	14.6	14.1-15.1	10.5	10.5-14.8	13.6	12.5-14.8	13.2	12.5-14.8
56 Alvena	n.a.	n.a.	12.8	12.7-13.0	16.5	15.7-17.4	13.1	11.8-13.6	13.0	12.4-13.8	14.0	n.a.	n.a.	14.0	13.2-16.3	n.a.	13.9	13.1-14.8	14.7	12.6-15.7
57 Domremy	15.2	13.4-16.5	14.6	13.7-15.4	16.2	15.6-17.3	14.9	14.0-15.7	12.9	12.1-14.3	14.8	13.2-16.3	13.8	13.1-14.5	13.8	12.8-14.7	12.3	11.0-13.6	14.0	13.1-14.5
Towns																				
58 Yellow Creek	14.1	13.0-15.7	13.9	-	15.7	15.4-16.0	12.3	12.1-12.6	12.7	11.4-13.5	13.9	12.9-15.1	11.9	11.2-13.2	13.0	11.5-14.8	11.8	10.5-13.4	12.1	11.0-13.0
59 St. Louis	14.3	13.8-14.9	14.6	12.4-18.0	16.0	-	14.5	12.4-15.9	13.6	-	14.9	-	n.a.	n.a.	13.3	11.5-14.5	12.1	9.6-13.5	13.1	10.2-14.9
60 Aberdeen	14.6	13.5-15.2	15.7	13.6-17.9	15.8	12.8-17.6	13.6	12.6-14.7	13.2	12.2-14.5	14.3	13.0-15.8	14.8	14.1-15.3	14.0	13.3-15.2	12.5	12.1-14.4	12.6	10.1-13.6
61 Middle Lake	13.5	9.8-15.2	13.7	12.4-14.8	15.2	12.5-17.2	13.1	12.5-13.8	12.9	11.7-14.6	13.6	13.1-14.6	12.7	10.8-14.9	14.1	12.2-15.6	11.4	10.9-12.4	12.5	10.6-13.8
62 Lake Lenore	15.2	13.8-15.7	13.9	11.4-15.9	14.6	13.4-15.7	14.6	13.4-15.7	12.6	11.8-13.4	14.7	12.9-15.8	14.9	13.4-16.7	13.8	12.9-14.7	13.6	12.9-14.7	12.8	11.8-14.4
63 St. Bréux	13.4	11.5-14.6	13.4	11.9-14.8	14.8	13.2-17.2	12.0	10.6-13.0	11.4	10.0-12.3	12.5	11.3-14.4	13.1	11.6-14.5	12.3	11.9-15.6	12.3	10.4-14.0	12.7	10.9-15.1
64 Vonda	15.6	14.3-16.9	14.4	10.8-16.1	16.5	15.7-17.4	15.5	13.1-17.3	12.8	11.9-13.5	14.6	13.2-16.8	15.0	14.0-15.9	14.1	12.1-16.0	13.3	11.2-16.4	13.4	11.3-15.8
65 Viscount	13.8	13.2-15.0	14.6	13.8-15.7	15.4	15.0-15.9	14.2	13.2-15.3	13.9	13.5-14.4	14.1	13.2-14.8	14.3	13.8-15.1	14.3	13.3-15.3	13.7	13.4-14.3	13.3	11.3-15.8
66 Star City	12.4	10.2-14.4	14.8	13.0-17.9	14.5	11.8-17.1	12.7	11.8-13.2	12.7	12.5-13.2	14.2	13.2-14.9	12.0	10.4-13.1	14.4	13.8-15.1	14.1	10.1-12.1	11.8	10.6-13.1
67 Colonsay	16.2	-	14.9	14.6-15.2	14.8	15.4-16.1	14.3	13.5-14.8	12.6	12.0-13.1	14.5	13.9-15.1	14.5	-	13.7	-	13.0	11.9-14.6	12.3	10.9-13.5
68 Bruno	14.9	14.1-15.3	16.7	14.9-18.4	15.6	14.0-16.8	13.9	13.2-15.0	12.5	11.3-13.6	14.0	13.4-15.6	13.9	13.3-14.9	14.7	13.3-15.8	14.0	13.4-14.6	13.9	12.9-15.7
69 Naicam	14.4	12.7-15.8	13.6	13.1-14.8	15.0	14.3-15.7	13.0	12.3-14.0	12.6	12.4-12.8	13.0	12.3-13.5	12.3	10.6-14.2	13.9	12.6-15.6	12.2	10.8-14.1	12.0	10.7-13.8
70 Cudworth	15.4	14.8-16.2	13.8	12.7-14.7	16.8	16.5-17.0	13.2	11.8-14.3	12.8	11.8-13.3	13.7	12.1-15.7	14.4	13.0-16.2	14.5	14.2-14.8	14.9	13.7-15.9	13.4	12.6-14.2
Greater Towns																				
71 Kinistino	14.4	13.1-15.7	13.7	12.1-15.5	16.0	15.1-16.8	13.3	12.1-14.3	12.0	11.6-12.4	14.1	12.6-14.7	12.9	10.9-15.0	13.8	12.2-15.6	13.7	12.5-15.4	12.8	11.4-14.4
72 Birch Hills	14.3	13.4-15.1	14.2	13.4-15.0	15.5	14.9-16.1	14.8	13.9-15.6	13.1	12.8-13.3	15.0	14.5-15.3	n.a.	n.a.	13.8	11.6-14.9	13.7	12.7-14.3	13.7	11.4-15.0
73 Wakaw	15.0	14.0-15.8	14.4	12.3-16.7	15.3	14.9-15.8	15.7	14.0-18.3	13.2	12.6-13.8	14.5	13.9-14.9	15.6	15.5-15.6	15.0	13.2-16.6	13.6	12.7-14.8	14.7	12.6-15.7
74 Humboldt	14.1	11.9-15.4	15.8	14.7-17.5	16.5	15.4-17.3	15.2	13.7-16.6	13.9	-	14.7	14.0-15.9	14.5	12.5-15.8	13.9	13.3-14.8	13.0	12.0-13.5	n.a.	n.a.
75 Melfort	15.4	14.9-16.0	13.1	-	16.5	15.8-16.9	12.8	12.2-13.4	13.4	13.2-13.5	13.5	12.8-13.8	13.5	11.8-15.4	13.7	12.6-15.6	12.3	10.9-13.8	13.4	12.7-14.1
Total Study Area <sup>a</sup>	14.3	9.8-16.9	14.2	10.7-18.4	15.8	11.8-17.7	13.6	9.5-18.3	12.8	10.0-16.3	14.2	10.9-17.3	13.7	10.0-16.7	14.0	11.1-17.0	12.6	9.4-15.9	13.2	10.1-16.4
Saskatchewan Total	14.2	8.6-18.6	14.6	8.5-19.2	15.3	10.4-19.3	13.7	9.5-18.9	13.3	9.5-17.7	14.1	9.0-19.1	14.2	9.5-19.7	14.0	9.1-19.3	13.4	8.8-16.8	13.7	9.7-19.0

- Indicates data are based on only one sample of wheat.

n.a. - Not available.

<sup>a</sup>Storage only.

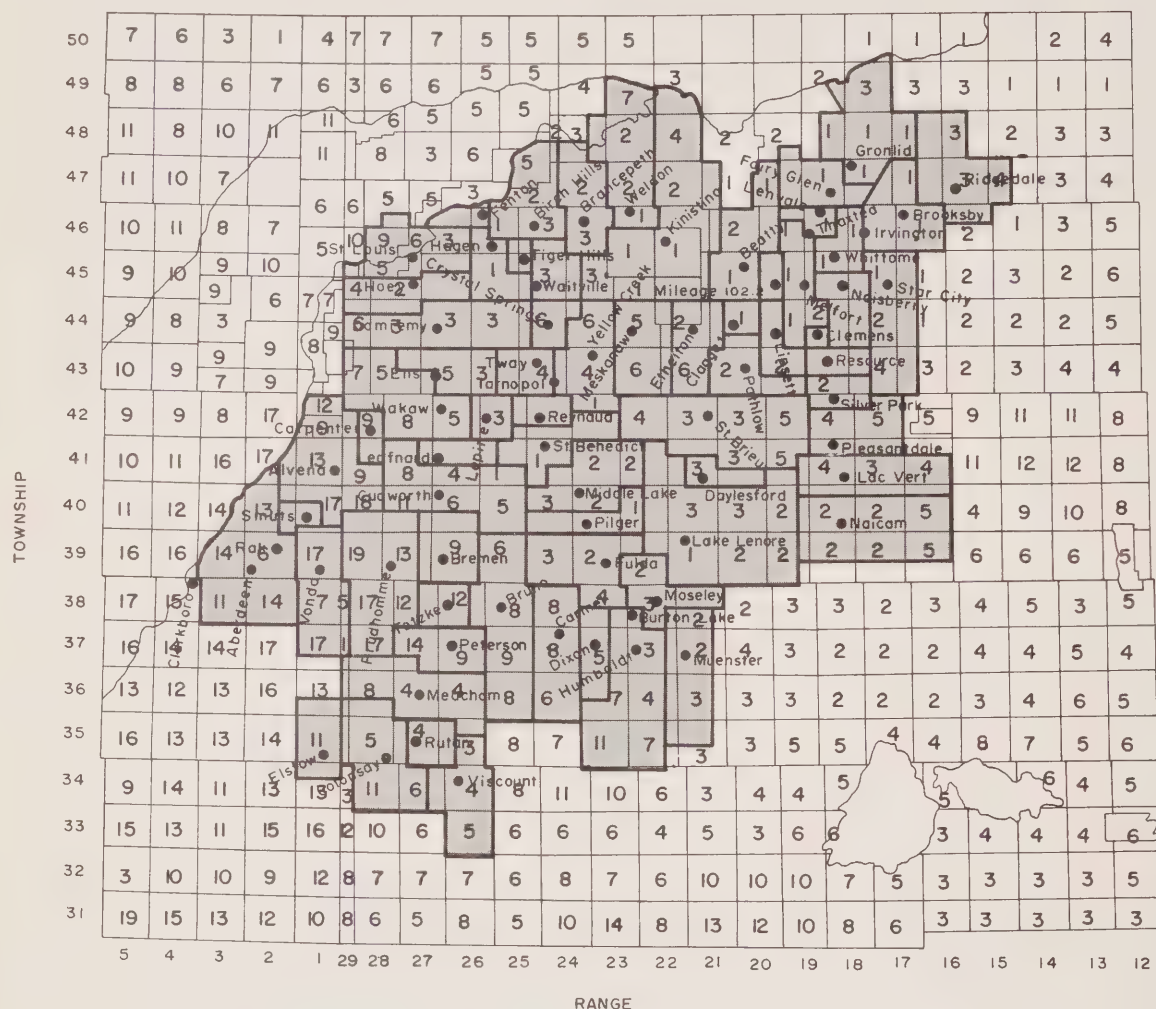
<sup>a</sup>Averages weighted by number of samples.

Source: Grain Research Laboratory, Canadian Grain Commission, Winnipeg.

### Prairie Farm Assistance Act Payments

The map in Figure 2.3 gives a rough outline of the land tributary to each delivery point in the study area. It shows the number of times during the past 32 years that PFAA payments for crop failure were made to farmers. In explanation of the figures appearing in each township, number 12, for example, does not mean that all farmers received payments in 12 of the 32 years; rather it means that some payments were made in the township in 12 of the 32 years. The map thus indicates the frequency of crop failure in all parts of the region.

No PFAA payments were made in two townships included in the hinterlands of Hoey, St. Louis and Reynaud. In numerous other townships payments were made only once. The maximum number of payments, 19, were made to farmers in one township east of Vonda.



# PRAIRIE FARM ASSISTANCE ACT PAYMENTS 1939-1970

Figure 2.3

### Farm Size and Land Tenure

The distribution of farm sizes in the Melfort-Wakaw region is shown in Table 2.10. Class sizes are ordered in intervals of 159 acres so 160 or one of its multiples falls at the midpoint of each class size. More detailed statistics on farm sizes at each delivery point are given in Table 2.11 for the crop years 1962-63 and 1969-70.

The number of farms in this table is actually the number of grain delivery permits in the area. The sizes of farms are derived from the acreages recorded in permit books. To the extent that individual farm units are, in some instances, associated with more than one delivery permit, farm numbers are overstated while farm sizes are understated. With this reservation, the total number of farms declined from 8,177 to 7,089 or 13 percent. In both 1962-63 and 1969-70 the greatest number of farms, 33.0 and 26.0 percent respectively, were in the 241-400 acre size group. The mode, the size of farm occurring most frequently in the study area, was 320 acres in both years (see footnotes to Table 2.11). In both years Table 2.10 shows that there was a greater concentration of farms at the lower end of the size groups than at the upper end, resulting in a skewed distribution.

The mean farm size for the study area (Table 2.11) increased from 407 acres to 477 acres or about 17 percent. The mean increased at all delivery points except Tiger Hills, Carpenter, Naisberry and Resource.

The median farm size in the study area rose from 320 to 400 acres. This means that in 1962-63 about half the total number of farms had less than 320 acres and that the others had more than 320 acres. Of course, there were some farms with exactly 320 acres. In 1969-70 this halfway point rose to 400 acres. Considering that the median as well as the mean increased, it can be concluded that the number of large farms increased relative to the number of small farms.

The general trend respecting land tenure has been towards a substantially greater percentage of land being owned rather than being rented by farm operators (Table 2.12). For the total study area, the percentage of owned land increased from 76.2 percent in 1962-63 to 80.9 percent in 1969-70. In 1969-70 the percentages of owned land ranged from 71.7 percent at Birch Hills to 92.5 percent at Leofnard.

TABLE 2.10 DISTRIBUTION OF FARM SIZES IN THE STUDY AREA, CROP  
YEARS 1962-63 AND 1969-70

Size Group (acres)	1962-63		1969-70	
	Number of Farms	Percent of Total	Number of Farms	Percent of Total
1- 240	2,306	28.2	1,761	24.8
241- 400	2,702	33.0	1,846	26.0
401- 560	1,547	18.9	1,330	18.8
561- 720	818	10.0	925	13.0
721- 880	380	4.7	528	7.5
881-1040	207	2.5	302	4.3
1041-1200	100	1.2	159	2.2
1201-1360	50	0.6	95	1.3
1361-1520	17	0.2	56	0.8
1521-1680	12	0.2	30	0.4
1681-1840	13	0.2	16	0.2
1841-2000	6	0.1	15	0.2
2001-2160	6	0.1	10	0.1
2161-2320	4	0.1	5	0.1
2321-2480	2	0.0	2	0.1
2481-2640	1	0.0	2	0.1
2641-2800	3	0.0	1	0.0
2801-2960	1	0.0	3	0.1
2961-3120	1	0.0	1	0.0
3121-3280	1	0.0	1	0.0
3281-3440	0	0.0	0	0.0
3441-3660	0	0.0	1	0.0
Study Area Total	8,177	100.0	7,089	100.0

Source: Delivery Permit Books, Canadian Wheat Board, Winnipeg.

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
<i>Too Small to Classify</i>						
1 Burton Lake						
1962-63			Closed for storage			
1969-70			Closed			
2 Clarkboro						
1962-63			Closed for storage			
1969-70			Closed			
3 Rak						
1962-63	22	405	960	80	320	401-560
1969-70			Closed for storage			
4 Irvington						
1962-63	34	316	657	80	320	241-400
1969-70			Closed for storage			
5 Thaxted						
1962-63	24	379	920	159	320	241-400
1969-70			Closed for storage			
6 Waitville						
1962-63			Closed for storage			
1969-70			Closed			
7 Mileage 102.2						
1962-63	30	480	1,268	80	320	1-240
1969-70	22	583	1,358	145	480	241-400
8 Tiger Hills						
1962-63	32	323	1,185	15	311	1-240
1969-70	15	273	480	45	233	1-240
9 Rutan						
1962-63	32	570	1,760	160	480	241-400
1969-70	35	591	1,280	160	590	1-240
10 Claggett						
1962-63	17	487	960	159	478	241-400, 1-240
1969-70	8	630	1,280	309	560	241-400
11 Leofnard						
1962-63	53	306	960	90	265	1-240
1969-70	26	417	800	15	384	241-400
12 Totzke						
1962-63	46	358	974	138	302	1-240
1969-70	40	370	1,220	35	307	1-240
13 Clemens						
1962-63	43	494	1,280	8	480	241-400
1969-70	24	511	1,280	10	320	401-560
14 Lepine						
1962-63	59	355	960	110	318	241-400
1969-70	48	458	1,345	158	399	241-400

(continued)

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70  
(continued)

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
15 Carpenter						
1962-63	42	424	987	145	374	241-400
1969-70	38	392	1,040	60	320	1-240
16 Fenton						
1962-63	34	526	3,195	27	408	1-240
1969-70	19	540	1,245	45	480	1-240
17 Bremen						
1962-63	84	399	960	14	320	241-400
1969-70	72	483	1,280	14	480	561-720
18 Dixon						
1962-63	59	478	1,280	80	480	401-560
1969-70	52	523	1,610	80	480	401-560
<i>Hamlets</i>						
19 Daylesford						
1962-63	51	430	1,316	160	320	241-400
1969-70	31	523	1,406	160	480	401-560
20 Ens						
1962-63	88	283	800	40	303	1-240
1969-70	60	352	880	40	320	241-400
21 Lenvale						
1962-63	81	315	1,264	80	319	1-240
1969-70	67	354	1,584	77	320	1-240, 241-400
22 Naisberry						
1962-63	48	506	1,584	160	380	241-400
1969-70	41	445	1,430	80	320	241-400
23 Whittome						
1962-63	61	372	876	154	320	241-400
1969-70	46	515	1,274	157	480	561-720
24 Silver Park						
1962-63	54	399	1,120	100	320	241-400
1969-70	34	408	1,125	80	320	1-240
25 Resource						
1962-63	62	377	1,122	158	320	241-400
1969-70	45	366	640	102	320	401-560
26 Tarnopol						
1962-63	42	293	794	80	285	1-240
1969-70	Closed					
27 Lipsett						
1962-63	53	465	1,120	80	480	241-400
1969-70	53	477	1,664	80	428	241-400
28 Peterson						
1962-63	78	476	1,598	158	468	241-400
1969-70	66	561	1,838	151	478	401-560

(continued)

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70  
(continued)

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
29 Moseley						
1962-63	124	363	1,080	40	320	241-400
1969-70	102	436	1,123	40	411	401-560
30 Reynaud						
1962-63	58	346	942	80	316	241-400
1969-70	38	441	1,098	80	411	241-400, 401-560
31 Brancepeth						
1962-63	118	386	1,052	80	320	241-400
1969-70	100	418	1,212	11	367	241-400
32 Hagen						
1962-63	83	342	960	80	320	241-400
1969-70	65	406	856	80	320	241-400
33 Smuts						
1962-63	61	316	960	80	307	1-240
1969-70	37	348	940	80	160	1-240
34 Fairy Glen						
1962-63	135	257	1,133	10	161	1-240
1969-70	100	326	1,120	10	318	1-240
<i>Villages</i>						
35 Ethelton						
1962-63	78	501	2,108	152	479	241-400
1969-70	69	572	1,600	160	520	241-400
36 Lac Vert						
1962-63	121	442	1,862	100	320	241-400
1969-70	96	529	3,023	100	473	241-400
37 Fulda						
1962-63	127	434	2,678	159	320	241-400
1969-70	111	461	1,459	155	320	241-400
38 Tway						
1962-63	45	369	1,747	80	320	1-240
1969-70	52	371	1,270	40	320	1-240
39 Pleasantdale						
1962-63	107	446	1,600	136	320	241-400
1969-70	96	488	1,440	15	388	241-400
40 Beatty						
1962-63	172	410	2,104	30	320	241-400
1969-70	153	463	1,920	40	330	1-240
41 Brooksby						
1962-63	119	369	1,590	54	320	1-240
1969-70	114	467	1,900	72	468	1-240
42 Hoey						
1962-63	139	419	1,120	117	320	241-400
1969-70	122	506	1,933	132	435	241-400

(continued)

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70  
(continued)

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
43 Pathlow						
1962-63	82	459	1,315	143	320	241-400
1969-70	69	490	1,280	147	390	241-400
44 Elstow						
1962-63	57	651	2,252	160	639	241-400
1969-70	46	653	1,920	140	640	561-720
45 Meskanaw						
1962-63	101	481	2,694	120	320	241-400
1969-70	80	580	2,810	12	480	1-240
46 Pilger						
1962-63	130	355	1,309	12	320	241-400
1969-70	95	425	1,680	12	320	241-400
47 Crystal Springs						
1962-63	89	349	1,613	107	320	1-240
1969-70	66	396	1,871	107	320	1-240
48 Gronlid						
1962-63	226	309	996	80	320	1-240
1969-70	158	401	1,440	60	320	1-240
49 Carmel						
1962-63	161	450	1,439	154	400	241-400
1969-70	143	489	1,543	5	480	401-560
50 Weldon						
1962-63	212	376	1,278	8	320	241-400
1969-70	195	435	1,520	4	397	241-400
51 Meacham						
1962-63	188	471	1,505	65	480	241-400
1969-70	142	556	1,657	83	480	561-720
52 St. Benedict						
1962-63	118	393	944	60	320	241-400
1969-70	105	464	1,438	98	445	401-560
53 Ridgedale						
1962-63	130	435	1,668	40	320	241-400
1969-70	149	496	1,988	30	422	241-400
54 Prud'homme						
1962-63	216	408	980	40	400	401-560
1969-70	168	505	1,360	40	480	241-400, 401-560
55 Muenster						
1962-63	139	423	2,492	64	320	241-400
1969-70	107	496	2,811	64	480	241-400
56 Alvena						
1962-63	230	310	1,355	52	315	1-240
1969-70	193	386	1,994	70	320	1-240

(continued)

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70  
(continued)

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
57 Domremy						
1962-63	244	360	2,479	27	320	1-240
1969-70	200	436	2,245	25	320	1-240
<i>Towns</i>						
58 Yellow Creek						
1962-63	136	335	960	140	320	241-400
1969-70	129	404	1,520	151	320	241-400
59 St. Louis						
1962-63	100	478	2,660	41	424	401-560
1969-70	93	565	3,222	20	480	1-240
60 Aberdeen						
1962-63	228	463	1,956	40	400	241-400
1969-70	181	538	1,956	94	480	241-400
61 Middle Lake						
1962-63	120	402	1,297	22	320	1-240
1969-70	109	494	1,596	106	470	241-400
62 Lake Lenore						
1962-63	260	417	2,221	77	320	241-400
1969-70	264	473	2,080	1	403	241-400
63 St. Brieux						
1962-63	211	519	1,760	40	480	241-400
1969-70	196	572	2,417	28	480	241-400
64 Vonda						
1962-63	164	474	2,045	26	342	241-400, 1-24
1969-70	130	572	2,025	21	448	1-240
65 Viscount						
1962-63	84	665	2,875	160	480	401-560
1969-70	69	846	3,516	160	654	561-720
66 Star City						
1962-63	176	420	1,600	89	320	241-400
1969-70	156	495	2,160	26	454	241-400
67 Colonsay						
1962-63	79	554	1,722	80	480	241-400
1969-70	85	605	1,616	80	616	241-400
68 Bruno						
1962-63	223	416	1,760	92	320	241-400
1969-70	203	452	1,540	24	335	1-240
69 Naicam						
1962-63	204	493	2,448	100	400	241-400
1969-70	202	563	2,245	45	480	241-400
70 Cudworth						
1962-63	220	378	1,178	11	320	1-240
1969-70	203	441	1,880	38	320	1-240

(continued)

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70  
(concluded)

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
<i>Greater Towns</i>						
71 Kinistino						
1962-63	328	384	1,714	61	320	241-400
1969-70	274	471	1,840	20	360	241-400
72 Birch Hills						
1962-63	218	380	3,040	51	320	1-240
1969-70	210	456	2,500	10	324	1-240
73 Wakaw						
1962-63	201	351	2,080	67	320	241-400
1969-70	201	387	2,240	60	320	1-240
74 Humboldt						
1962-63	146	427	2,233	5	349	241-400
1969-70	200	482	2,080	13	447	241-400
75 Melfort						
1962-63	97	433	1,849	12	320	241-400
1969-70	170	499	2,144	20	400	241-400
Total Study Area						
1962-63	8,177	407 <sup>a</sup>	3,195	5	320	241-400 <sup>b</sup>
1969-70	7,089	477 <sup>a</sup>	3,516	1	400	241-400 <sup>b</sup>

<sup>a</sup>The standard deviation for the total study area in 1962-63 was 266 acres and in 1969-70 it was 327 acres.

<sup>b</sup>The modal size for the total study area in both crop years was 320 acres.

Source: Delivery Permit Books, Canadian Wheat Board, Winnipeg.

TABLE 2.12 LAND TENURE IN THE STUDY AREA, 1962-63 AND 1969-70

Delivery Point	Percent Owned		Percent Rented	
	1962-63	1969-70	1962-63	1969-70
<i>Too Small to Classify</i>				
1 Burton Lake	*	Closed	*	Closed
2 Clarkboro	*	Closed	*	Closed
3 Rak	71.5	*	28.5	*
4 Irvington	79.1	*	20.9	*
5 Thaxted	58.3	*	41.7	*
6 Waitville	*	Closed	*	Closed
7 Mileage 102.2	80.5	83.5	19.5	16.5
8 Tiger Hills	70.6	84.4	29.4	15.6
9 Rutan	81.6	78.4	18.4	21.6
10 Claggett	54.3	77.8	45.7	22.2
11 Leofnard	90.1	92.5	9.9	7.5
12 Totzke	80.6	77.0	19.4	23.0
13 Clemens	70.2	77.9	29.8	22.1
14 Lepine	75.2	81.4	24.8	18.6
15 Carpenter	74.4	86.4	25.6	13.6
16 Fenton	75.1	91.5	24.9	8.5
17 Bremen	74.2	76.1	25.8	23.9
18 Dixon	81.1	79.4	18.9	20.6
<i>Hamlets</i>				
19 Daylesford	74.2	81.3	25.8	18.7
20 Ens	82.8	83.2	18.0	16.8
21 Lenvale	73.4	79.9	26.6	20.1
22 Naisberry	75.6	72.6	24.4	27.4
23 Whittome	85.9	77.3	14.1	22.7
24 Silver Park	73.4	72.8	26.6	27.2
25 Resource	66.7	78.0	33.3	22.0
26 Tarnopol	69.2	Closed	30.8	Closed
27 Lipsett	80.9	79.6	19.1	20.4
28 Peterson	80.4	84.3	19.6	15.7
29 Moseley	82.4	90.5	17.6	9.5
30 Reynaud	76.5	78.7	23.5	21.3
31 Brancepeth	77.5	87.9	22.5	12.1
32 Hagen	78.6	83.8	21.4	16.2
33 Smuts	75.6	90.3	24.4	9.7
34 Fairy Glen	79.8	78.7	20.2	21.3
<i>Villages</i>				
35 Ethelton	78.3	78.7	21.7	21.3
36 Lac Vert	66.3	73.2	33.7	26.8
37 Fulda	71.0	87.2	29.0	12.8
38 Tway	79.2	82.5	20.8	17.5
39 Pleasantdale	76.5	78.2	23.5	21.8
40 Beatty	65.5	75.7	34.5	24.3

See footnotes at end of table

(continued)

TABLE 2.12 LAND TENURE IN THE STUDY AREA, 1962-63 AND 1969-70  
(concluded)

Delivery Point	Percent Owned		Percent Rented	
	1962-63	1969-70	1962-63	1969-70
41 Brooksby	74.4	78.2	25.6	21.8
42 Hoey	79.1	86.6	20.9	13.4
43 Pathlow	74.9	75.4	25.1	24.6
44 Elstow	67.7	82.0	32.3	18.0
45 Meskanaw	74.8	80.1	25.2	19.9
46 Pilger	70.6	85.8	29.4	14.2
47 Crystal Springs	73.7	91.0	26.3	9.0
48 Gronlid	75.6	76.3	24.4	23.7
49 Carmel	76.4	83.8	23.6	16.2
50 Weldon	80.6	79.6	19.4	20.4
51 Meacham	78.7	83.5	21.3	16.5
52 St. Benedict	69.0	80.4	31.0	19.6
53 Ridgedale	66.5	77.7	33.5	22.3
54 Prud'homme	82.5	86.3	17.5	13.7
55 Muenster	85.0	88.2	15.0	11.8
56 Alvena	77.0	81.1	23.0	18.9
57 Domremy	79.0	84.5	21.0	15.5
<i>Towns</i>				
58 Yellow Creek	65.6	77.8	34.4	22.2
59 St. Louis	86.0	82.7	14.0	17.3
60 Aberdeen	77.5	82.2	22.5	17.8
61 Middle Lake	69.5	72.4	30.5	27.6
62 Lake Lenore	77.7	82.2	22.3	17.8
63 St. brieux	74.6	79.4	25.4	20.6
64 Vonda	82.7	88.1	17.3	11.9
65 Viscount	74.1	76.4	25.9	23.6
66 Star City	71.8	75.1	28.2	24.9
67 Colonsay	86.7	85.8	13.3	14.2
68 Bruno	78.8	83.3	21.2	16.7
69 Naicam	71.0	75.7	29.0	24.3
70 Cudworth	79.1	85.1	20.9	14.9
<i>Greater Towns</i>				
71 Kinistino	73.3	76.7	26.7	23.3
72 Birch Hills	71.0	71.7	29.0	28.3
73 Wakaw	81.7	83.8	18.3	16.2
74 Humboldt	79.3	81.9	20.7	18.1
75 Melfort	75.9	81.4	24.1	18.6
Study Area Total	76.2	80.9	23.8	19.1

\*Storage only.

Source: Delivery Permit Books, Canadian Wheat Board, Winnipeg.

## PART III

### GRAIN MARKETING AND HANDLING CHARACTERISTICS

#### Producers' Choice of Alternate Delivery Points

When the Canadian Wheat Board changed the delivery regulations in 1970-71, farmers were given the right to specify a second delivery point for Board grains; that is, each producer was entitled to haul his grain to either of two delivery points. The information gleaned from the individual selections throws light on some of the factors farmers consider in weighing the advantages and disadvantages of different elevator centers.

Table 3.1 is a partial analysis of the selections made by 6,795 farmers who delivered grain to points in the Melfort-Wakaw study area. Although the recorded data cannot be easily analyzed for such things as loyalty to a specific elevator company, best road approach to a delivery point and availability of particular shopping or service facilities, it is, however, possible to make the following observations:

1. Farmers who hauled to smaller communities were more inclined to select an alternate point than those who delivered to larger communities.
2. Farmers who hauled to smaller communities were more likely to choose the nearest neighboring elevator as an alternate point.
3. Unless the farmers were already delivering to a larger center, a large percentage of them chose a greater town or city as an alternate point.
4. For the study area, about 43 percent of those permit holders who specified an alternate point chose one in a different loading block. There was little correlation, however, between the percentage of farmers choosing an alternate in a different loading block and the size of their primary delivery point.

TABLE 3.1 PRODUCERS' CHOICE OF ALTERNATE DELIVERY POINTS, 1970-71

Delivery Point	No. of Farmers	Percent of		Alternate Chosen		Loading Block Chosen	
		Farmers Not Choosing Alternate	Farmers Choosing Alternate	Next Nearest Point	Larger <sup>a</sup> Center	Same	Different Double <sup>b</sup>
- percent of farmers choosing alternate -							
<i>Too Small to Classify</i>							
1 Burton Lake	Closed						
2 Clarkboro	Closed						
3 Rak	Closed						
4 Irvington	Closed						
5 Thaxted	Closed						
6 Waitville	Closed						
7 Mileage 102.2	23	0.0	23	95.7	95.7	100.0	0.0
8 Tiger Hills	Closed						95.7
9 Rutan	29	55.2	13	92.3	7.7	7.7	92.3
10 Claggett	Closed						7.7
11 Leofnard	Closed						
12 Totzke	40	5.0	38	86.8	2.6	86.8	13.2
13 Clemens	2	0.0	2	100.0	0.0	100.0	0.0
14 Lepine	50	28.0	36	80.6	75.0	88.9	11.1
15 Carpenter	Closed						2.6
16 Fenton	Closed						0.0
17 Bremen	68	44.1	38	84.2	10.5	94.5	7.9
18 Dixon	51	0.0	51	98.0	84.3	98.0	0.0
<i>Hamlets</i>							
19 Daylesford	29	0.0	29	96.6	3.4	96.6	0.0
20 Ens	56	39.3	34	82.4	55.9	93.9	0.0
21 Lenvale	60	0.0	60	33.3	66.7	81.7	66.7
22 Naisberry	41	4.9	39	97.4	82.1	97.4	82.1
23 Whitome	44	0.0	44	97.7	75.0	100.0	75.0
24 Silver Park	Closed						
25 Resource	46	2.2	45	80.0	62.2	73.3	26.7
26 Tarnopol	Closed						62.2

(continued)

See footnotes at end of table

TABLE 3.1 PRODUCERS' CHOICE OF ALTERNATE DELIVERY POINTS, 1970-71 (continued)

Delivery Point	No. of Farmers	Percent of Farmers		Alternate Chosen			Loading Block Chosen		
		Choosing Alternate	Not Choosing Alternate	No. of Farmers Choosing Alternate	Next Nearest Point	Larger Center <sup>a</sup>	Same	Different Double <sup>b</sup>	
- percent of farmers choosing alternate -									
27 Lipsett	53	20.8		42	95.2	69.1	90.5	9.5	69.1
28 Peterson	61	36.1		39	94.9	2.6	100.0	0.0	0.0
29 Moseley	91	4.4		87	87.4	27.6	37.9	62.1	0.0
30 Reynaud	40	12.5		35	88.6	11.4	25.7	74.3	0.0
31 Brancepeth	100	40.0		60	95.0	70.0	95.0	5.0	3.3
32 Hagen	71	0.0		71	100.0	74.7	0.0	100.0	0.0
33 Smuts	38	7.9		35	91.4	8.6	91.4	8.6	8.6
34 Fairy Glen	93	0.0		93	20.4	75.3	91.4	8.6	74.2
Villages									
35 Ethelton	60	0.0		60	63.3	21.7	66.7	33.3	18.3
36 Lac Vert	95	29.5		67	53.7	14.9	64.2	35.8	14.9
37 Fulda	115	2.6		112	59.8	33.9	9.8	90.2	0.0
38 Tway	52	1.9		51	35.3	3.9	13.7	86.3	0.0
39 Pleasantdale	94	1.1		93	39.8	47.3	80.7	19.3	47.3
40 Beatty	152	3.3		147	97.3	87.9	22.8	77.2	75.2
41 Brooksby	105	20.0		84	31.0	6.0	88.1	11.9	6.0
42 Hoey	94	2.1		92	94.6	2.2	95.7	4.3	0.0
43 Pathlow	69	15.9		58	84.5	5.2	77.6	22.4	5.2
44 Elstow	31	6.5		29	62.1	31.0	65.5	34.5	31.0
45 Meskanaw	74	9.5		67	92.5	25.4	80.6	19.4	4.5
46 Pilger	70	5.7		66	69.7	6.1	28.8	71.2	0.0
47 Crystal Springs	63	31.8		43	46.5	48.8	7.0	93.0	0.0
48 Gronlid	151	8.6		138	75.4	15.9	42.0	58.0	14.5
49 Carmel	132	17.4		109	44.0	46.8	45.9	54.9	0.9
50 Weldon	177	54.2		81	35.8	96.3	37.0	63.0	17.3
51 Meacham	143	42.0		83	24.1	48.2	27.7	72.3	48.2
52 St. Benedict	102	20.6		81	84.0	3.7	19.8	80.2	2.5
53 Ridgedale	143	8.4		131	71.0	22.1	56.5	43.5	21.4

See footnotes at end of table

(continued)

TABLE 3.1 PRODUCERS' CHOICE OF ALTERNATE DELIVERY POINTS, 1970-71 (concluded)

Delivery Point	No. of Farmers	Percent of Farmers Not Choosing Alternate		No. of Farmers Choosing Alternate	Alternate Chosen		Loading Block Chosen		
		Choosing Alternate	Not Choosing Alternate		Next Nearest Point	Larger Center <sup>a</sup>	Same Different Double <sup>b</sup>		
- percent of farmers choosing alternate -									
Towns									
54 Prud'homme	162	43.8		91	44.0	31.9	70.3	29.7	27.5
55 Muenster	103	2.9		100	100.0	84.0	5.0	95.0	0.0
56 Alvena	204	8.8		186	32.3	45.2	67.2	32.8	12.4
57 Domremy	198	4.0		190	74.2	16.3	87.9	12.1	2.1
Greater Towns									
58 Yellow Creek	126	84.9		19	31.6	21.1	42.1	57.9	0.0
59 St. Louis	106	1.9		104	75.0	15.4	83.7	16.3	0.0
60 Aberdeen	174	44.3		97	93.8	82.5	13.4	80.4	82.5
61 Middle Lake	109	19.3		88	86.4	9.1	48.9	51.1	1.1
62 Lake Lenore	262	34.7		171	55.6	17.5	10.5	89.5	0.6
63 St. Brieux	196	21.4		154	53.9	5.2	83.8	16.2	1.3
64 Vonda	131	35.9		84	58.3	67.9	28.6	71.4	67.9
65 Viscount	75	42.7		43	62.8	14.0	48.8	51.2	14.0
66 Star City	157	21.0		124	85.5	58.9	94.4	5.6	58.9
67 Colonsay	86	16.3		72	36.1	52.8	54.2	45.8	52.8
68 Bruno	195	48.7		100	39.0	29.0	73.0	27.0	29.0
69 Naicam	197	8.6		180	63.9	9.4	38.9	61.1	7.8
70 Cudworth	211	19.0		171	37.4	32.2	77.8	22.2	9.9
Greater Towns									
71 Kinistino	261	18.0		214	65.9	30.8	69.2	30.8	29.9
72 Birch Hills	215	53.5		100	59.0	26.0	34.0	66.0	6.0
73 Wakaw	206	85.0		31	19.4	51.6	48.4	51.6	16.1
74 Humboldt	191	21.5		150	71.3	1.3	23.3	76.7	1.3
75 Melfort	222	16.2		186	70.4	0.5	62.9	37.1	0.5
Study Area Total	6,795	24.1		5,161	65.7	34.1	57.0	43.0	21.3

<sup>a</sup> Melfort, Tisdale, Humboldt, Wakaw, Kinistino, Birch Hills, Saskatoon, Prince Albert.

<sup>b</sup> Saskatoon, Melfort and Tisdale are all in two loading blocks.

Source: Canadian Wheat Board, Winnipeg.

Delivery Permit Books Issued

Table 3.2 shows that the number of permit books issued for the study area as a whole decreased by 1,737, 21.1 percent between 1962-63 and 1971-72. Only 7 of the 75 delivery points had more permit books at the end of the period. All other points had decreases. The largest gain occurred at Melfort where 122 additional permit books were issued, an increase of 125.8 percent. Daylesford had the greatest loss, amounting to 38 permits or 74.5 percent.

TABLE 3.2 DELIVERY PERMIT BOOKS ISSUED BY DELIVERY POINT, 1962-63 TO 1971-72

Delivery Point	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72 <sup>a</sup>
<i>Too Small to Classify</i>										
1 Burton Lake	*	*	*	*	*	Closed				
2 Clarkboro	*	*	*	*	*	*	Closed	*	Closed	
3 Rak	22	20	19	18	15	*	*	*	Closed	
4 Irvington	34	27	25	22	19	15	16	*	Closed	
5 Thaxted	24	23	23	22	20	*	*	*	Closed	
6 Waitville	*	*	*	*	*	*	Closed			
7 Mileage 102.2	34	32	30	29	29	34	27	22	23	20
8 Tiger Hills	32	24	24	18	17	17	17	15	Closed	
9 Rutan	32	33	31	32	33	33	35	35	29	28
10 Claggett	17	18	18	17	14	15	11	8	Closed	
11 Leofnard	53	52	51	48	47	39	24	26	Closed	
12 Totzke	46	46	47	47	44	41	40	40	40	35
13 Clemens	43	45	46	45	46	45	23	24	2	Closed
14 Lepine	59	55	54	54	47	51	49	48	50	43
15 Carpenter	42	43	42	39	35	36	37	38	Closed	
16 Fenton	34	31	28	28	15	16	16	19	Closed	
17 Bremen	85	79	78	78	80	79	73	72	68	66
18 Dixon	59	56	58	60	60	56	58	51	51	45
<i>Hamlets</i>										
19 Daylesford	51	45	41	40	34	33	32	31	29	13
20 Ens	88	81	82	81	74	72	50	58	56	48
21 Lenvale	81	80	81	78	73	71	68	66	60	46
22 Naisberry	48	48	45	45	48	48	50	42	41	37
23 Whitton	61	56	54	53	52	50	45	45	44	44
24 Silver Park	54	52	54	51	47	42	35	34	Closed	
25 Resource	62	64	61	61	57	56	60	45	46	52
26 Tarnopol	41	38	39	n.a.	Closed					
27 Lipsett	53	52	53	48	49	48	50	53	53	57
28 Peterson	78	74	72	67	63	63	63	65	61	60
29 Moseley	125	123	115	111	106	103	104	101	91	88
30 Reynaud	58	55	52	51	54	50	49	38	40	27

See footnotes at end of table

(continued)

TABLE 3.2 DELIVERY PERMIT BOOKS ISSUED BY DELIVERY POINT, 1962-63 TO 1971-72 (continued)

Delivery Point	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72 <sup>a</sup>
31 Brancepeth	118	116	114	111	103	99	96	101	100	88
32 Hagen	83	76	80	80	78	74	73	66	71	67
33 Smuts	61	54	50	45	51	46	38	39	38	Closed
34 Fairy Glen	135	138	126	129	111	102	98	101	93	86
<i>Villages</i>										
35 Ethelton	78	79	78	79	77	71	71	69	60	62
36 Lac Vert	121	124	122	116	109	97	96	96	95	94
37 Fulda	127	127	125	124	122	116	113	111	115	111
38 Tway	46	46	46	79	43	39	43	52	52	58
39 Pleasantdale	107	107	106	96	93	95	95	96	94	86
40 Beatty	174	170	162	151	150	151	151	152	152	150
41 Brooksby	119	114	113	107	103	99	99	114	105	97
42 Hoey	140	140	140	132	126	121	119	122	94	88
43 Pathlow	82	74	74	73	76	71	72	69	69	71
44 Elstow	57	55	58	57	54	56	53	46	31	24
45 Meskanaw	101	93	94	89	79	76	77	80	74	57
46 Pilger	130	125	123	115	107	106	106	94	70	70
47 Crystal Springs	89	89	81	80	76	67	65	66	63	55
48 Gronlid	226	226	218	201	189	186	177	157	151	156
49 Carmel	161	161	160	159	162	155	146	142	132	123
50 Weldon	212	210	199	198	193	192	195	195	177	175
51 Meacham	188	182	177	163	158	153	149	143	143	130
52 St. Benedict	118	119	118	113	109	105	104	105	102	108
53 Ridgedale	130	125	122	119	117	120	126	149	143	137
54 Prud'homme	216	211	206	201	195	179	166	168	162	160
55 Muenster	139	133	129	122	119	118	114	107	103	108
56 Alvena	230	236	227	232	221	207	202	192	204	193
57 Domremy	244	235	229	211	210	201	198	200	198	187
<i>Towns</i>										
58 Yellow Creek	136	130	128	125	144	142	137	129	126	122
59 St. Louis	100	104	106	98	100	89	87	93	106	91

See footnotes at end of table

(continued)

TABLE 3.2 DELIVERY PERMIT BOOKS ISSUED BY DELIVERY POINT, 1962-63 TO 1971-72 (concluded)

Delivery Point	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72 <sup>a</sup>
60 Aberdeen	227	222	218	200	195	198	192	181	174	189
61 Middle Lake	120	120	116	118	113	108	109	109	109	107
62 Lake Lenore	260	260	258	255	248	252	254	264	262	256
63 St. Brieux	211	207	202	201	197	192	190	196	196	195
64 Vonda	163	169	158	149	145	147	142	131	131	149
65 Viscount	84	84	81	76	73	70	68	68	75	66
66 Star City	176	174	168	162	157	161	154	156	157	148
67 Colonsay	79	76	78	74	74	70	69	85	86	86
68 Bruno	224	220	214	209	205	199	197	203	195	186
69 Naicam	203	202	206	209	208	202	202	204	197	193
70 Cudworth	220	230	222	220	210	210	217	203	211	205
<i>Greater Towns</i>										
71 Kinistino	328	318	298	285	281	275	275	273	261	242
72 Birch Hills	218	227	217	220	209	203	212	211	215	209
73 Wakaw	201	201	202	201	199	188	203	204	206	207
74 Humboldt	147	149	144	142	145	151	147	200	191	185
75 Melfort	97	95	94	92	87	103	128	168	222	219
Study Area Total	8,242 <sup>b</sup>	8,105	7,910	7,661	7,399	7,175	7,057	7,086 <sup>b</sup>	6,795	6,505

\*Storage only. n.a. - Not available.

<sup>a</sup>Permit declarations processed to September 22, 1971.

<sup>b</sup>The numbers of permit holders shown here may not equal the corresponding totals in Tables 2.10 and 2.11 because the two sets of figures were derived independently.

Source: Canadian Wheat Board, Winnipeg.

### Canadian Wheat Board Initial Payments

Under the Canadian Wheat Board marketing system, producers receive an initial payment upon delivery of grain to country elevators. Table 3.3 shows net initial payments based on prices set at the Lakehead less both freight costs from delivery points and country elevator handling charges.<sup>1</sup> Initial payment levels may be changed annually at the time they are established for the particular crop year by an order of the federal cabinet.<sup>2</sup> For example, in 1969-70 initial payments were substantially lower than in 1968-69. For 1971-72 they were the same or slightly less than the ones set two years before.

The freight rate zones follow a general north to south orientation and, as one moves westward from the Lakehead, the rates increase by steps of 1 cent per hundredweight. Figure 3.1 shows freight rate zones in northern Saskatchewan which includes the study area. According to Figure 3.1 freight rates in the Melfort-Wakaw region range from 21 to 23 cents per hundredweight. Muenster, Humboldt and Viscount are the only delivery points in the 21-cent zones and Fenton and Brancepeth are the only delivery points in the 23-cent zone.

Since net initial payments are, of course, slightly higher in a 22-cent freight rate zone than a 23-cent zone, it follows that a farmer who is located on or near the boundary between those two zones will consider the price differential in choosing his delivery point. For example, a farmer delivering wheat to Weldon receives \$1.27 per bushel (No. 1 C.W. Red Spring Wheat, 1971-72), 3/4 of a cent more than the \$1.26 1/4 per bushel paid at nearby Brancepeth. To the extent that differing prices influence each farmer's choice of a delivery point, the size and shape of delivery point hinterlands are correspondingly affected.

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<sup>1</sup>For instance, in 1971-72 the handling charge was 5 3/4 cents per bushel of wheat, durum wheat or barley and 4 1/2 cents per bushel of oats. This statutory charge is made up of the country elevator elevation charge and a portion of the terminal elevator handling charge.

<sup>2</sup>For a more detailed description of how the initial payment is determined, see J.W. Channon, "How Canadian Wheat is Handled", Canadian Journal of Agricultural Economics, Workshop Proceedings, 1969, p.88.

TABLE 3.3 CANADIAN WHEAT BOARD NET INITIAL PAYMENTS TO PRODUCERS BY FREIGHT RATES, BASIS THUNDER BAY, ONTARIO<sup>a</sup>

Grain Freight Rates to Lakehead <sup>b</sup>	Wheat		Durum		Oats		Barley	
	No. 1 Northern	No. 2 Northern	No. 4 Northern	No. 1 C.W.A.	No. 2 C.W.A.	No. 4 C.W.A.	No. 2 C.W.	No. 3 C.W. Row
- cents/cwt. -								
- dollars per bushel -								
1968-69								
18	1.53 1/2	1.49 1/2	1.38 1/2	1.53 1/2	1.49 1/2	1.38 1/2	.54 5/8	.91 3/4
19	1.53	1.49	1.38	1.53	1.49	1.38	.54 1/4	.91 3/8
20	1.52 1/2	1.48 1/2	1.37 1/2	1.52 1/2	1.48 1/2	1.37 1/2	.53 7/8	.90 7/8
21	1.51 3/4	1.47 3/4	1.36 3/4	1.51 3/4	1.47 3/4	1.36 3/4	.53 1/2	.90 3/8
22	1.51 1/4	1.47 1/4	1.36 1/4	1.51 1/4	1.47 1/4	1.36 1/4	.53 1/4	.89 7/8
23	1.50 1/2	1.46 1/2	1.35 1/2	1.50 1/2	1.46 1/2	1.35 1/2	.52 7/8	.89 3/8
24	1.50	1.46	1.35	1.50	1.46	1.35	.52 1/2	.88 7/8
1969-70								
18	1.33 1/4	1.29 1/4	1.16 1/4	1.33 1/4	1.29 1/4	1.16 1/4	.49 3/8	.76 1/2
19	1.32 3/4	1.28 3/4	1.15 3/4	1.32 3/4	1.28 3/4	1.15 3/4	.49	.76 1/8
20	1.32 1/4	1.28 1/4	1.15 1/4	1.32 1/4	1.28 1/4	1.15 1/4	.48 5/8	.75 5/8
21	1.31 1/2	1.27 1/2	1.14 1/2	1.31 1/2	1.27 1/2	1.14 1/2	.48 1/4	.75 1/8
22	1.31	1.27	1.14	1.31	1.27	1.14	.48	.74 5/8
23	1.30 1/4	1.26 1/4	1.13 1/4	1.30 1/4	1.26 1/4	1.13 1/4	.47 5/8	.74 1/8
24	1.29 3/4	1.25 3/4	1.12 3/4	1.29 3/4	1.25 3/4	1.12 3/4	.47 1/4	.73 5/8
1971-72								
18	No. 1 C.W. Red Spring <sup>c</sup>							
19	1.29 1/4	1.25 1/4	1.16 1/4	1.29 1/4	1.25 1/4	1.16 1/4	.49 3/8	.76 1/2
20	1.28 3/4	1.24 3/4	1.11 3/4	1.28 3/4	1.24 3/4	1.11 3/4	.49	.76 1/8
21	1.28 1/4	1.24 1/4	1.11 1/4	1.28 1/4	1.24 1/4	1.11 1/4	.48 5/8	.75 5/8
22	1.27 1/2	1.23 1/2	1.10 1/2	1.27 1/2	1.23 1/2	1.10 1/2	.48 1/4	.75 1/8
23	1.27	1.23	1.10	1.27	1.23	1.10	.48	.74 5/8
24	1.26 1/4	1.22 1/4	1.09 1/4	1.26 1/4	1.22 1/4	1.09 1/4	.47 5/8	.74 1/8
	1.25 3/4	1.21 3/4	1.08 3/4	1.25 3/4	1.21 3/4	1.08 3/4	.47 1/4	.73 5/8

<sup>a</sup> Prior to deduction of the Prairie Farm Assistance Act levy of one percent. These prices are also known as "street prices".

<sup>b</sup> Flaxseed and rapeseed 1 1/2 cents per hundredweight higher.

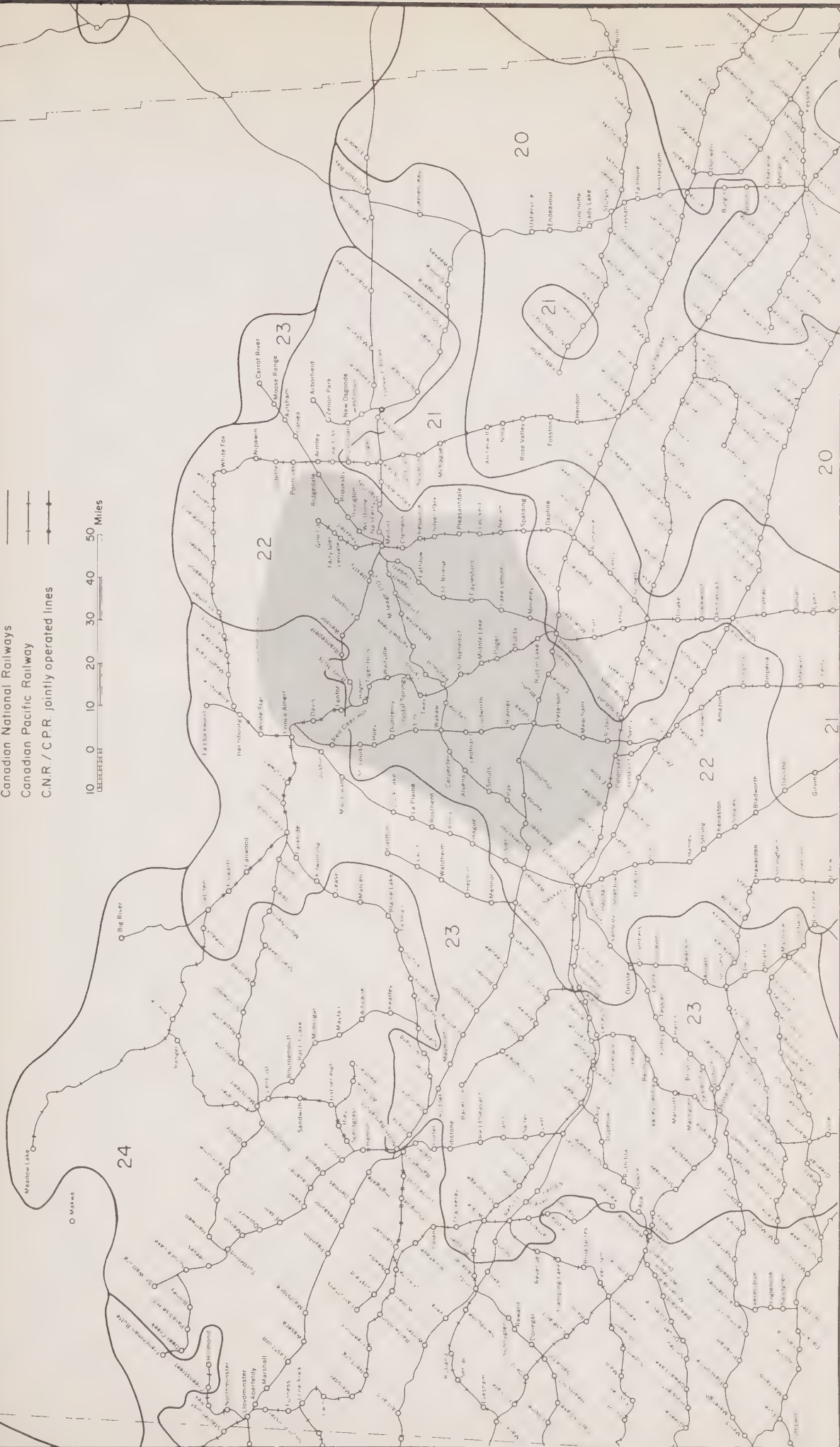
<sup>c</sup> Effective August 1, 1971 the grades No. 1 and No. 2 Manitoba Northern were replaced by the new grade No. 1 Canada Western Red Spring Wheat.

Source: Canadian Wheat Board, Winnipeg.

Freight rate boundaries..... Rate in cents per 100 lbs..... 21

- Canadian National Railways
- Canadian Pacific Railway
- C.N.R. / C.P.R. jointly operated lines

10 0 10 20 30 40 50 Miles



## EXPORT GRAIN FREIGHT RATES PER 100 lbs. FROM NORTHERN SASKATCHEWAN TO THUNDER BAY, ONTARIO

Source: Map "Eastbound Export Grain Rates Per 100 lbs. Based on CNR Armstrong, Fort William, Port Arthur and West Fort William, and CPR to Fort William, Port Arthur and West Fort William" Geographical Branch, Department of Mines and Technical Surveys, Ottawa, 1965.

Figure 3.1

### Country Elevator Facilities

The number of grain elevators and their storage capacity at a delivery point are measurements of the importance of that particular point as a grain collection and distribution center.<sup>1</sup> Table 3.4 contains this information for each delivery point in the Melfort-Wakaw region in 1962-63 and again in 1969-70. How many grain companies were represented in both years is also shown.

Elevators decreased in number at Lac Vert, Alvena, Aberdeen, Naicam, Kinistino and Humboldt. Melfort was the only point with an increase. In 1969-70 it had 5 elevators compared with 3 in 1962-63. At other points the number of elevators did not change. Storage capacity rose at 15 delivery points, declined at 19 points and stayed constant at 41 points. The result was an overall storage gain of 98,000 bushels or 6.4 percent.

An examination of the number of grain companies located at the delivery points reveals that there are usually as many companies as there are elevators. This is an indication of competition by elevator firms. Twenty-four delivery points (including 4 closures) had fewer elevator companies in 1969 than in 1962. Only Melfort had an increase, from 2 to 3, in companies represented. The number of companies in the remaining communities did not change.

Table 3.5 has information on the ownership, age and capacity of country elevators in the study area on August 1, 1971. Altogether there were 61 open delivery points where representation by the different elevator companies was as follows: Saskatchewan Wheat Pool, 54 points; Federal Grain Ltd., 30 points; United Grain Growers Ltd., 18 points; National Grain Co. Ltd., 17 points; Pioneer Grain Co. Ltd., 10 points; and Parrish and Heimbecker Ltd., 1 point.

In 1971 the average age of the 183 elevators recorded in Table 3.5 was 41 years. One hundred and forty-seven elevators, 81.7 percent, were built in 1940 or earlier. Only 14, 7.8 percent, were built since 1960. Fifty-nine elevators constructed in 1940 or earlier have not had annexes added since then. Their average storage capacity is slightly more than 56,000 bushels. Both elevators built since 1940 and elevators built prior to 1940 to which annexes were added, have an average capacity of 101,000 bushels. In 1905 the first elevator in the study area was erected at Vonda. An annex was built there in 1955, bringing the capacity of the elevator to 70,000 bushels.

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<sup>1</sup>Bushel receipts should also be taken into account. See Table 3.6.

TABLE 3.4 NUMBER AND CAPACITY OF LICENSED COUNTRY ELEVATORS BY DELIVERY POINT, 1962-63 AND 1969-70

Delivery Point	Number of Elevators		Storage Capacity		Number of Grain Companies	
	1962-63	1969-70	1962-63	1969-70	Aug. 1, 1962	Aug. 1, 1969
	- number -		- '000 bushels -		- number -	
<i>Too Small to Classify</i>						
1 Burton Lake	1 <sup>a</sup>	Closed	28	-	1	-
2 Clarkboro	1 <sup>a</sup>	Closed	32	-	1	-
3 Rak	1	1 <sup>a</sup>	28	28	1	1
4 Irvington	1	1 <sup>a</sup>	42	42	1	1
5 Thaxted	2	2 <sup>a</sup>	96	74	2	2
6 Waitville	1 <sup>a</sup>	Closed	28	-	1	-
7 Mileage 102.2	1	1	69	69	1	1
8 Tiger Hills	1	1	61	61	1	1
9 Rutan	1	1	51	51	1	1
10 Claggett	1	1	49	49	1	1
11 Leofnard	1	1	54	54	1	1
12 Totzke	1	1	30	30	1	1
13 Clemens	3	3	156	154	2	1
14 Lepine	2	2	90	90	2	2
15 Carpenter	1	1	53	53	1	1
16 Fenton	1	1	62	62	1	1
17 Bremen	2	2	111	111	2	2
18 Dixon	2	2	104	104	2	2
<i>Hamlets</i>						
19 Daylesford	2	2	114	114	2	2
20 Ens	3	3	145	138	2	1
21 Lenvale	2	2	155	155	2	2
22 Naisberry	2	2	129	129	2	2
23 Whittome	2	2	131	131	2	2
24 Silver Park	1	1	52	52	1	1
25 Resource	2	2	87	87	2	2
26 Tarnopol	1	Closed	29	-	1	-
27 Lipsett	2	2	156	156	2	2
28 Peterson	2	2	98	98	2	2
29 Moseley	3	3	255	138	3	2
30 Reynaud	2	2	138	101	2	2
31 Brancepeth	3	3	201	188	3	2
32 Hagen	2	2	188	188	2	2
33 Smuts	2	2	70	70	1	1
34 Fairy Glen	3	3	254	244	3	2
<i>Villages</i>						
35 Ethelton	3	3	252	252	3	3
36 Lac Vert	4	3	301	249	3	2
37 Fulda	3	3	297	297	3	3
38 Tway	1	1	53	53	1	1
39 Pleasantdale	3	3	151	151	2	1
40 Beatty	5	5	422	485	4	3
41 Brooksby	4	4	318	320	4	2
42 Hoey	4	4	315	315	3	2
43 Pathlow	4	4	208	208	4	3
44 Elstow	3	3	137	137	2	2
45 Meskanaw	3	3	189	189	3	2

See footnotes at end of table

(continued)

TABLE 3.4 NUMBER AND CAPACITY OF LICENSED COUNTRY ELEVATORS BY DELIVERY POINT, 1962-63 AND 1969-70 (concluded)

Delivery Point	Number of Elevators		Storage Capacity		Number of Grain Companies	
	1962-63	1969-70	1962-63	1969-70	Aug. 1, 1962	Aug. 1, 1969
	- number -		- '000 bushels -		- number -	
46 Pilger	2	2	205	185	2	2
47 Crystal Springs	1	1	56	56	1	1
48 Gronlid	3	3	291	291	3	2
49 Carmel	3	3	217	217	3	3
50 Weldon	5	5	328	338	3	3
51 Meacham	3	3	252	252	3	3
52 St. Benedict	3	3	223	223	3	3
53 Ridgedale	4	4	335	335	4	2
54 Prud'homme	4	4	335	335	4	3
55 Muenster	3	3	184	210	2	2
56 Alvena	4	3	232	224	3	3
57 Domremy	5	5	464	463	5	4
<i>Towns</i>						
58 Yellow Creek	2	2	124	127	2	2
59 St. Louis	2	2	193	193	2	2
60 Aberdeen	6	4	396	366	4	4
61 Middle Lake	2	2	168	228	2	2
62 Lake Lenore	6	6	719	719	5	4
63 St. Brieux	4	4	395	395	4	3
64 Vonda	4	4	223	247	4	4
65 Viscount	5	5	288	368	2	2
66 Star City	6	6	416	421	3	3
67 Colonsay	2	2	158	158	2	2
68 Bruno	4	4	363	345	3	3
69 Naicam	6	3	597	687	4	3
70 Cudworth	5	5	313	357	3	3
<i>Greater Towns</i>						
71 Kinistino	8	7	664	671	4	4
72 Birch Hills	4	4	380	380	3	3
73 Wakaw	4	4	330	390	4	4
74 Humboldt	3	2	380	250	3	2
75 Melfort	3	5	219	407	2	3
Study Area Total	211	200	15,434 <sup>b</sup>	15,692 <sup>b</sup>	9 <sup>c</sup>	6 <sup>c</sup>

<sup>a</sup> Elevator used for storage only.

<sup>b</sup> This total may not equal the sum of the figures in this column due to rounding.

<sup>c</sup> Grain companies represented are:

Federal Grain Ltd.  
National Grain Co. Ltd.  
Parrish and Heimbecker Ltd.  
Pioneer Grain Co. Ltd.  
Saskatchewan Wheat Pool  
United Grain Growers Ltd.  
Humboldt Flour Mills Co. (Not present in 1969-70)  
McCabe Grain Co. Ltd. (Not present in 1969-70)  
Searle Grain Co. Ltd. (Not present in 1969-70)

Source: Canadian Grain Commission, Winnipeg.

TABLE 3.5 COUNTRY ELEVATORS: OWNER, AGE AND CAPACITY BY DELIVERY POINT, 1970-71

Delivery Point	Elevator Company	Year of Construction		Storage Capacity
	Aug. 1, 1971	Elevator	Annex	Aug. 1, 1971
				- '000 bus. -
<i>Too Small to Classify</i>				
1 Burton Lake	Closed			
2 Clarkboro	Closed			
3 Rak	Closed			
4 Irvington	Closed			
5 Thaxted	Closed			
6 Waitville	Closed			
7 Mileage 102.2	Sask. Wheat Pool	1926	1960	69
8 Tiger Hills	Closed			
9 Rutan	Sask. Wheat Pool	1955	1924	51
10 Claggett	Closed			
11 Leofnard	Closed			
12 Totzke	Sask. Wheat Pool	1928		30
13 Clemens	Closed			
14 Lepine	Sask. Wheat Pool "A"	1929	1939	46
	Sask. Wheat Pool "B"	1929	1939	44
15 Carpenter	Closed			
16 Fenton	Closed			
17 Bremen	Sask. Wheat Pool "A"	1956	1940	68
	Sask. Wheat Pool "B"	1914	1940	40
18 Dixon	Federal Grain Ltd.	1922	1940	49
	Sask. Wheat Pool	1928	1940	55
<i>Hamlets</i>				
19 Daylesford	Federal Grain Ltd. #1	1921	1940 & 1958	73
	Federal Grain Ltd. #2	1928	1939	41
20 Ens	Federal Grain Ltd. #1	1923		25
	Federal Grain Ltd. #2	1923	1940	46
	Federal Grain Ltd. #3	1928	1939 & 1940	67
21 Lenvale	Pioneer Grain Ltd.	1927	1940 & 1956	93
	Sask. Wheat Pool	1928	1953	62
22 Naisberry	National Grain	1918	1918	56
	Sask. Wheat Pool	1938	1939 & 1940	73
23 Whittome	Federal Grain Ltd.	1922	1939	47
	Sask. Wheat Pool	1922	1923, 1939 & 1940	84
24 Silver Park	Closed			
25 Resource	Sask. Wheat Pool "A"	1927	1957	60
	Sask. Wheat Pool "B"	1926		27
26 Tarnopol	Closed			
27 Lipsett	Federal Grain Ltd.	1936	1940 & 1957	83
	Sask. Wheat Pool	1930	1939 & 1940	73
28 Peterson	National Grain	1956	1956	49
	Sask. Wheat Pool	1923	1940	49
29 Moseley	Federal Grain Ltd. #1	1920	1940 & 1959	83
	Federal Grain Ltd. #2	1920	1923 & 1956	105
	Sask. Wheat Pool	1927	1940 & 1955	92
30 Reynaud	Federal Grain Ltd.	1929	1939 (2) <sup>c</sup> & 1940	101
31 Brancepeth	National Grain "A"	1919	1928	60
	National Grain "B"	1936	1940	55
	Sask. Wheat Pool	1923	1939 & 1952	73
32 Hagen	Sask. Wheat Pool "A"	1930	1939, 1940 & 1951	110
	Sask. Wheat Pool "B"	1930	1940 & 1952	78
33 Smuts	Sask. Wheat Pool	1930	1929	42

See footnotes at end of table

(continued)

TABLE 3.5 COUNTRY ELEVATORS: OWNER, AGE AND CAPACITY BY DELIVERY POINT,  
1970-71 (continued)

Delivery Point	Elevator Company	Year of Construction		Storage Capacity
	Aug. 1, 1971	Elevator	Annex	Aug. 1, 1971
- '000 bus. -				
34 Fairy Glen	Federal Grain Ltd. #1	1927	1953	59
	Federal Grain Ltd. #2	1927	1952	56
	Sask. Wheat Pool	1927	1939, 1940 & 1951	105
<i>Villages</i>				
35 Ethelton	National Grain "A"	1929	1932 & 1939	82
	National Grain "B"	1929	1939	42
	Sask. Wheat Pool	1929	1940 & 1953	103
36 Lav Vert	Pioneer Grain Ltd. #1	1923	1940 & 1951	85
	Pioneer Grain Ltd. #2	1923	1940 & 1950	67
	Sask. Wheat Pool	1968	1923 & 1949	97
37 Fulda	Federal Grain Ltd.	1929	1932 & 1940	83
	Sask. Wheat Pool	1929	1940 & 1950	104
	United Grain Growers	1940	1950 & 1961	110
38 Tway	United Grain Growers	1930	1949	53
39 Pleasantdale	Sask. Wheat Pool "A"	1923	1951	58
	Sask. Wheat Pool "B"	1923	1950	45
	Sask. Wheat Pool "C"	1923		25
40 Beatty	Federal Grain Ltd. #1	1918	1940, 1951 & 1960	110
	Federal Grain Ltd. #2	a	1950 & 1964	97
	Federal Grain Ltd. #3	b	1939	43
	National Grain	1916	1952 & 1965	103
41 Brooksby	Sask. Wheat Pool	1958	1939, 1940 & 1950	132
	Pioneer Grain Ltd. #1	1923	1949 & 1953	77
	Pioneer Grain Ltd. #2	1921	1941 & 1952	84
	Pioneer Grain Ltd. #3	1927	1940	49
42 Hoey	Sask. Wheat Pool	1922	1923, 1940 & 1950	110
	Federal Grain Ltd. #1	1910	1940 & 1953	66
	Federal Grain Ltd. #2	1923	1940 & 1953	59
	Federal Grain Ltd. #3	1921	1950 & 1959	99
43 Pathlow	Federal Grain Ltd. #4	1922	1939 (2) <sup>c</sup> & 1953	96
	National Grain "A"	1918	1951	52
	National Grain "B"	1913	1925	44
	National Grain "C"	1923	1925	65
44 Elstow	Pioneer Grain Ltd.	1919		22
	Sask. Wheat Pool "A"	1947		58
	Sask. Wheat Pool "B"	1918	1940	53
45 Meskanaw	Sask. Wheat Pool "C"	1923		26
	Sask. Wheat Pool	1929	1939	60
	United Grain Growers #1	1930	1940 (2) <sup>c</sup>	74
46 Pilger	United Grain Growers #2	1930	1930	55
	United Grain Growers #1	1930	1940 (2) <sup>c</sup>	83
	United Grain Growers #2	1929	1940 & 1951	102
47 Crystal Springs	Sask. Wheat Pool	1930	1952	56
48 Gronlid	Federal Grain Ltd. #1	1927	1939 & 1940	82
	Federal Grain Ltd. #2	1927	1940 & 1949	85
	Sask. Wheat Pool	1927	1950 & 1959	100
49 Carmel	Federal Grain Ltd.	1914	1939 & 1951	69
	Sask. Wheat Pool	1922	1940 & 1959	83
	United Grain Growers	1923	1915 (2) <sup>c</sup>	65
50 Weldon	Federal Grain Ltd. #1	1964	1932	55
	Federal Grain Ltd. #2	1922	1930	40
	National Grain "A"	1917	1955	53
	National Grain "B"	1928	1941	60
	Sask. Wheat Pool	1953	1940 & 1953	113

See footnotes at end of table

(continued)

TABLE 3.5 COUNTRY ELEVATORS: OWNER, AGE AND CAPACITY BY DELIVERY POINT,  
1970-71 (continued)

Delivery Point	Elevator Company	Year of Construction		Storage Capacity
	Aug. 1, 1971	Elevator	Annex	Aug. 1, 1971
- '000 bus. -				
51 Meacham	Federal Grain Ltd.	1928	1922 & 1940	70
	National Grain	1921	1947 & 1951	65
	Sask. Wheat Pool	1950	1953	117
52 St. Benedict	Pioneer Grain Ltd.	1937	1951 & 1956	77
	Sask. Wheat Pool	1934	1940 & 1958	94
	United Grain Growers	1930	1940	52
53 Ridgedale	Federal Grain Ltd. #1	1921	1940 & 1951	75
	Federal Grain Ltd. #2	1921	1923	47
	Federal Grain Ltd. #3	1921	1940 & 1951	77
54 Prud'homme	Sask. Wheat Pool	1955	1928 & 1940	113
	Sask. Wheat Pool	1934	1940 & 1957	98
	United Grain Growers #1	1926	1922 & 1957	94
55 Muenster	United Grain Growers #2	1922	1940 & 1960	78
	United Grain Growers #3	1908	1917 & 1940	65
	Federal Grain Ltd. #1	1912	1964	71
56 Alvena	Federal Grain Ltd. #2	1906		22
	Sask. Wheat Pool	1953	1953	117
	Federal Grain Ltd.	1929	1929	55
57 Domremy	Sask. Wheat Pool	1932	1949 & 1965	73
	United Grain Growers	1931	1929, 1932 & 1954	96
	Federal Grain Ltd. #1	1918	1940, 1951 & 1952	96
	Federal Grain Ltd. #2	1922	1959	71
	National Grain	1915	1929 & 1940	65
	Pioneer Grain Ltd.	1913	1940, 1952 & 1958	125
	Sask. Wheat Pool "A"	1922	1924	66
	Sask. Wheat Pool "B"	1969		44
<i>Towns</i>				
58 Yellow Creek	Federal Grain Ltd.	1929	1962	58
	Sask. Wheat Pool	1935	1939 (2) <sup>c</sup>	69
59 St. Louis	Sask. Wheat Pool "A"	1935	1940 & 1957	96
	Sask. Wheat Pool "B"	1916	1940	79
60 Aberdeen	National Grain	1906	1915	49
	Pioneer Grain Ltd.	1923	1953 & 1955	83
	Sask. Wheat Pool	1954	1927 & 1950	128
61 Middle Lake	United Grain Growers	1923	1940 & 1957	106
	Federal Grain Ltd.	1931	1939 & 1966	118
	Sask. Wheat Pool	1930	1940 & 1957	110
62 Lake Lenore	Federal Grain Ltd. #1	1919	1941, 1951 & 1953	104
	Federal Grain Ltd. #2	1922	1928, 1950 & 1958	117
	Pioneer Grain Ltd.	1917	1927, 1940, '53 & '59	196
	Sask. Wheat Pool "A"	1921	1924, 1939 & 1949	96
	Sask. Wheat Pool "B"	1953		73
	United Grain Growers	1928	1939, 1940 & 1955	131
63 St. Brieux	Federal Grain Ltd. #1	1916	1940 & 1956	73
	Federal Grain Ltd. #2	1931	1914	55
	Sask. Wheat Pool	1956	1939(2) <sup>c</sup> , 1940 & 1950	137
64 Vonda	United Grain Growers	1958	1917, 1925 & 1940	130
	National Grain Ltd.	1906	1917 & 1965	60
	Parr. & Heim.	1905	1955	70
65 Viscount	Sask. Wheat Pool	1955	1939 (2) <sup>c</sup>	62
	United Grain Growers	1917	1952	55
	Pioneer Grain Ltd. "P"	1909	1940, 1957 & 1967	156
	Pioneer Grain Ltd. "W"	1924		20
	Sask. Wheat Pool	1954	1923, 1940 & 1951	133

See footnotes at end of table

(continued)

TABLE 3.5 COUNTRY ELEVATORS: OWNER, AGE AND CAPACITY BY DELIVERY POINT,  
1970-71 (concluded)

Delivery Point	Elevator Company	Year of Construction		Storage Capacity
	Aug. 1, 1971	Elevator	Annex	Aug. 1, 1971
- '000 bus. -				
66 Star City	Federal Grain Ltd. #1	1955	1929	31
	Federal Grain Ltd. #2	1932	1949	70
	National Grain "A"	1934	1918 & 1956	45
	National Grain "B"	1912	1917 & 1940	100
	Sask. Wheat Pool	1962	1918, 1928 & 1940	70
67 Colonsay	Sask. Wheat Pool	1912	1951 & 1952	83
	United Grain Growers	1923	1923 & 1940	53
	Federal Grain Ltd. #1	1950	1929 & 1940	77
68 Bruno	Federal Grain Ltd. #2	1912	1939	43
	Sask. Wheat Pool	1928	1940 & 1956	106
	United Grain Growers	1918	1916, 1933 & 1954	96
	Federal Grain Ltd.	1921	1921 & 1955	188
69 Naicam	Sask. Wheat Pool	1965	1921(2) <sup>c</sup> , 1939 & 1951	286
			1952 & 1956	212
	United Grain Growers	1968	1922 & 1948	53
70 Cudworth	Federal Grain Ltd. #1	1916	1940	49
	Federal Grain Ltd. #2	1920	1956	49
	National Grain "A"	1912	1940	119
	National Grain "B"	1968	1912, 1956 & 1960	129
	Sask. Wheat Pool	1970	1922, 1939 & 1953	
<i>Greater Towns</i>				
71 Kinistino	Federal Grain Ltd.	1952	1921, 1940 & 1949	111
	National Grain	1954	1964	148
	Sask. Wheat Pool "A"	1960	1924 & 1939	101
	Sask. Wheat Pool "B"	1928	1939, 1940 & 1950	123
	United Grain Growers #1	1948	1939, 1951 & 1961	163
	United Grain Growers #2	1921		25
	National Grain "A"	1923	1928 & 1952	65
72 Birch Hills	National Grain "B"	1938	1928 & 1940	82
	Sask. Wheat Pool "A"	1937	1939, 1940 & 1952	104
	Sask. Wheat Pool "B"	1971		
	United Grain Growers	1950	1953	129
	National Grain	1912	1917 & 1956	71
73 Wakaw	Pioneer Grain Ltd.	1923	1940, 1952 & 1963	135
	Sask. Wheat Pool	1922	1939, 1940 & 1953	100
	United Grain Growers	1919	1961	84
	Federal Grain Ltd.	1969	1906, 1946 & 1952	161
74 Humboldt	Sask. Wheat Pool	1933	1940 & 1956	89
	Federal Grain Ltd. #1	1966		100
75 Melfort	Federal Grain Ltd. #2	1928	1955	49
	National Grain	1968		110
	Sask. Wheat Pool "A"	1918	1940 & 1954	84
	Sask. Wheat Pool "B"	1960		64

<sup>a</sup>Prior to 1925.

<sup>b</sup>Prior to 1921.

<sup>c</sup>Two annexes constructed on the same year.

Source: Canadian Grain Commission, Winnipeg.

### Receipts of Grain at Country Elevators

Annual receipts of grain is another measure of the importance of a grain collection and distribution center. Receipts of the crop years from 1962-63 to 1970-71 are presented in Table 3.6 for each delivery point in the study area.

For all points open in 1970-71, the ten-year average receipts range from 96,000 bushels at Tway to just over 1 million bushels at Lake Lenore. The observation that grain receipts are commensurate with the size of the community may be illustrated by listing the ten-year average for each class of community: "too small to classify", 112,000 bushels; hamlets, 214,000 bushels; villages, 401,000 bushels; towns, 556,000 bushels; and greater towns, 666,000 bushels.

Receipts vary considerably from year to year and reflect such things as crop yields and grain marketings. Total receipts in the study area for the ten-year period ranged from a low of over 20 million bushels to a high of over 32 million bushels.

TABLE 3.6 RECEIPTS OF GRAIN AT LICENSED COUNTRY ELEVATORS BY DELIVERY POINT, 1962-63 TO 1970-71 AND TEN-YEAR AVERAGE

Delivery Point	1962-63 <sup>a</sup>	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	Ten-Year Average 1960-61 to 1969-70 <sup>b</sup>
- '000 bushels -										
<i>Too Small to Classify</i>										
1 Burton Lake	*	*	*	*	*	Closed	Closed	*	Closed	7
2 Clarkboro	*	*	*	*	*	*	*	*	Closed	82
3 Rak	80	98	71	79	82	*	*	*	Closed	67
4 Irvington	94	60	60	77	77	40	40	*	Closed	97
5 Thaxted	100	109	98	128	79	*	*	*	Closed	24
6 Waitville	*	*	*	*	*	*	Closed	141	148	165
7 Mileage 102.2	158	242	175	n.a.	205	128	102	38	Closed	59
8 Tiger Hills	94	81	51	68	61	38	36	142	168	150
9 Rutan	124	179	152	173	201	118	111	52	Closed	91
10 Claggett	104	135	125	120	108	64	52	51	Closed	101
11 Leofnard	121	138	91	113	133	84	56	74	Closed	98
12 Totzke	60	127	93	114	155	101	91	156	125	167
13 Clemens	176	234	183	249	241	154	83	17	Closed	86
14 Lepine	143	188	111	205	244	152	144	64	Closed	92
15 Carpenter	108	108	78	110	115	77	74	204	275	244
16 Fenton	130	140	83	110	87	67	52	186	185	205
17 Bremen	161	317	267	270	377	223	200			
18 Dixon	166	260	252	249	281	176	164			
<i>Hamlets</i>										
19 Daylesford	226	233	216	248	181	119	134	128	112	176
20 Ens	190	215	134	187	256	168	118	118	138	178
21 Lenvale	234	283	247	324	282	193	206	193	112	237
22 Naisberry	265	251	249	289	281	165	184	210	213	221
23 Whitome	283	261	225	293	263	163	195	245	217	235
24 Silver Park	85	113	80	78	93	72	61	58	Closed	76
25 Resource	214	220	174	202	190	134	154	111	125	163
26 Tarnopol	72	91	53	66	Closed					71
27 Lipsett	204	305	240	335	327	219	236	287	363	249
28 Peterson	181	273	257	252	333	204	182	206	267	230
29 Moseley	403	522	513	526	510	286	286	366	378	400
30 Reynaud	142	191	121	169	203	125	121	110	119	149
31 Brancepeth	369	452	349	461	471	291	294	353	431	366
32 Hagen	226	304	223	353	359	214	189	211	306	246
33 Smuts	171	188	94	139	194	130	85	73	73	136
34 Fairy Glen	254	344	284	413	372	233	239	262	221	289
<i>Villages</i>										
35 Ethelton	339	541	438	577	542	329	251	430	539	405
36 Lac Vert	397	499	475	442	440	278	281	295	381	363
37 Fulda	342	575	571	555	611	347	323	342	459	433
38 Tway	93	109	69	107	130	83	88	100	164	96

(continued)

See footnotes at end of table

TABLE 3.6 RECEIPTS OF GRAIN AT LICENSED COUNTRY ELEVATORS BY DELIVERY POINT, 1962-63 TO 1970-71 AND TEN-YEAR AVERAGE (concluded)

Delivery Point	1962-63 <sup>a</sup>	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	Ten-Year Average 1960-61 to 1969-70 <sup>b</sup>
- '000 bushels -										
39 Pleasantdale	233	286	210	181	221	199	209	217	186	200
40 Beatty	688	729	685	788	789	501	558	785	886	668
41 Brooksby	452	464	400	474	505	311	349	487	515	414
42 Hoey	501	432	303	462	588	387	350	426	476	427
43 Pathlow	306	350	302	351	341	210	225	275	333	280
44 Elstow	186	328	267	335	365	235	225	181	163	255
45 Meskanaw	227	372	264	436	365	225	230	318	322	287
46 Pilger	256	375	362	327	360	252	236	209	235	289
47 Crystal Springs	162	189	90	201	203	127	126	115	122	149
48 Gronlid	509	583	527	534	536	436	412	375	387	468
49 Carmel	256	478	412	438	618	406	347	322	412	389
50 Weldon	491	624	427	734	770	557	576	656	756	569
51 Meacham	481	759	684	679	797	524	476	524	669	596
52 St. Benedict	332	456	368	364	458	297	266	290	443	346
53 Ridgedale	486	501	408	483	556	420	488	523	550	454
54 Prud'homme	380	719	475	560	711	494	431	427	572	516
55 Muenster	385	567	549	507	593	377	348	331	451	429
56 Alvena	653	637	475	587	709	507	430	426	516	535
57 Domremy	751	720	470	794	861	584	506	592	774	651
<i>Towns</i>										
58 Yellow Creek	275	298	200	311	365	260	250	348	334	278
59 St. Louis	264	266	191	309	366	256	253	266	379	264
60 Aberdeen	796	931	660	860	947	656	589	623	976	728
61 Middle Lake	236	335	281	322	360	267	261	292	369	276
62 Lake Lenore	1,090	1,300	1,262	1,401	1,369	845	845	1,144	1,424	1,084
63 St. Brieux	616	761	680	726	752	518	534	654	623	605
64 Vonda	465	649	425	574	757	480	433	403	643	500
65 Viscount	355	497	416	474	533	341	302	358	514	403
66 Star City	783	788	658	722	742	510	496	663	684	623
67 Colonsay	293	468	372	506	540	292	270	393	514	384
68 Bruno	363	732	757	684	873	558	500	509	711	601
69 Naicam	1,028	1,156	1,102	1,067	1,094	734	731	871	1,048	910
70 Cudworth	486	714	546	625	792	529	495	514	666	567
<i>Greater Towns</i>										
71 Kinistino	835	1,108	836	1,387	1,257	832	828	1,105	1,195	972
72 Birch Hills	669	837	650	1,001	1,019	673	652	830	1,164	746
73 Wakaw	516	583	362	548	664	434	412	453	690	483
74 Humboldt	361	745	699	758	918	418	417	701	925	588
75 Melfort	413	498	421	577	549	391	252	991	1,313	541
Study Area Total	24,088	30,641	25,098	30,175	32,727	21,218	20,074	23,407	28,503	25,092

\*Storage only.

n.a. - Not available

<sup>a</sup>Rapeseed receipts are not included.

<sup>b</sup>If a delivery point only had receipts during part of the ten-year period, the average is based on those years the delivery point had receipts.

Source: Canadian Grain Commission, Winnipeg.

### Throughput Ratios

The throughput ratio of a delivery point is the total number of bushels it receives each year divided by its bushel storage capacity (Table 3.7).<sup>1</sup> This ratio measures the efficiency of the grain elevator or elevators in any particular community. The ten-year average is the average annual receipts for the period from 1960-61 to 1969-70 divided by the rated storage capacity for 1969-70. On this basis 54 points had throughput ratios of under 2.0. Only one point, Totzke, had a ratio over 3.0. The lowest ten-year average, 1.0, was recorded at Tiger Hills. Contrary to what might be expected, larger centers did not usually have the highest throughput ratios.

It has been suggested that an elevator paying for itself should maintain a throughput ratio between 3.0 and 4.0.<sup>2</sup> Speculative reasoning suggests the following example. Suppose that a delivery point with one elevator has a storage capacity of 50,000 bushels, then a throughput ratio of 2.0 would require the handling of 100,000 bushels annually. At 2,000 bushels per boxcar, the elevator agent would have to load only 50 cars in a year or one boxcar every week for 50 weeks. A throughput ratio of 5.0 would require 250,000 bushels in receipts and the agent would be required to load 2.5 boxcars each week of the year. This does not seem unreasonable.

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<sup>1</sup>A further comparison of throughput ratios is presented in Part IV, Table 4.5.

<sup>2</sup>D. Zasada, "The Probable Effect of the Application for Railway Branch Line Abandonment on the Grain Elevator Industry", Canadian Farm Economics, April, 1968, p. 21.

TABLE 3.7 THROUGHPUT RATIOS BY DELIVERY POINT, 1962-63, 1969-70 AND PREVIOUS TEN-YEAR AVERAGE

Delivery Point	1962-63	1969-70	Ten-Year Average 1960-61 to 1969-70
<i>Too Small to Classify</i>			
1 Burton Lake	*	Closed	-
2 Clarkboro	*	Closed	-
3 Rak	2.9	*	2.9
4 Irvington	2.2	*	1.6
5 Thaxted	1.0	*	1.3
6 Waitville	*	Closed	-
7 Mileage 102.2	2.3	2.0	2.4
8 Tiger Hills	1.5	0.6	1.0
9 Rutan	2.4	2.8	2.9
10 Claggett	2.1	0.9	1.9
11 Leofnard	2.2	0.9	1.9
12 Totzke	2.0	2.5	3.3
13 Clemens	1.1	0.6	1.3
14 Lepine	1.6	1.7	1.8
15 Carpenter	2.0	0.3	1.6
16 Fenton	2.1	1.0	1.5
17 Bremen	1.5	1.8	2.3
18 Dixon	1.6	1.8	2.0
<i>Hamlets</i>			
19 Daylesford	2.0	1.1	1.6
20 Ens	1.3	0.9	1.3
21 Lenvale	1.5	1.2	1.5
22 Naisberry	2.1	1.6	1.7
23 Whittome	2.2	1.9	1.8
24 Silver Park	1.6	1.1	1.5
25 Resource	2.5	1.3	1.9
26 Tarnopol	2.5	Closed	-
27 Lipsett	1.3	1.8	1.6
28 Peterson	1.8	2.1	2.3
29 Moseley	1.6	1.3	1.4
30 Reynaud	1.0	0.8	1.5
31 Brancepeth	1.8	1.9	1.9
32 Hagen	1.2	1.1	1.3
33 Smuts	2.4	1.0	1.9
34 Fairy Glen	1.0	1.1	1.3
<i>Villages</i>			
35 Ethelton	1.3	1.7	1.8
36 Lac Vert	1.3	1.2	1.5
37 Fulda	1.2	1.2	1.5
38 Tway	1.8	1.9	1.8
39 Pleasantdale	1.5	1.4	1.3

(continued)

TABLE 3.7 THROUGHPUT RATIOS BY DELIVERY POINT, 1962-63, 1969-70 AND PREVIOUS TEN-YEAR AVERAGE (concluded)

Delivery Point	1962-63	1969-70	Ten-Year Average 1960-61 to 1969-70
40 Beatty	1.6	1.6	1.4
41 Brooksby	1.4	1.5	1.3
42 Hoey	1.6	1.4	1.4
43 Pathlow	1.5	1.3	1.3
44 Elstow	1.4	1.3	1.9
45 Meskanaw	1.2	1.7	1.5
46 Pilger	1.3	1.3	1.6
47 Crystal Springs	2.9	2.1	2.7
48 Gronlid	1.8	1.3	1.6
49 Carmel	1.2	1.5	1.8
50 Weldon	1.5	1.9	1.7
51 Meacham	1.9	1.9	2.4
52 St. Benedict	1.5	1.3	1.5
53 Ridgedale	1.5	1.6	1.5
54 Prud'homme	1.1	1.3	1.5
55 Muenster	2.1	1.6	2.0
56 Alvena	2.8	1.9	2.4
57 Domremy	1.6	1.3	1.4
<i>Towns</i>			
58 Yellow Creek	2.2	2.7	2.2
59 St. Louis	1.4	1.4	1.4
60 Aberdeen	2.0	1.7	2.0
61 Middle Lake	1.4	1.3	1.2
62 Lake Lenore	1.5	1.6	1.5
63 St. Brioux	1.6	1.7	1.5
64 Vonda	2.1	1.6	2.0
65 Viscount	1.2	1.0	1.2
66 Star City	1.9	1.6	1.5
67 Colonsay	1.9	2.5	2.4
68 Bruno	1.0	1.5	1.7
69 Naicam	1.7	1.3	1.3
70 Cudworth	1.6	1.4	1.6
<i>Greater Towns</i>			
71 Kinistino	1.3	1.6	1.4
72 Birch Hills	1.8	2.2	2.0
73 Wakaw	1.6	1.2	1.2
74 Humboldt	1.0	2.8	2.4
75 Melfort	1.9	2.4	1.3
Study Area Total	1.56	1.49	1.61

\*Storage only.

Source: Canadian Grain Commission, Winnipeg.

### Acres for Delivery Quota Purposes

Prior to the beginning of the 1970-71 crop year, the basis for determining each producer's general grain delivery quota was the acres devoted to cereal crops, summer fallow and cultivated forage crops. This land was referred to as "specified acreage". Other miscellaneous crops, native pasture and unimproved farmland were not part of the specified acreage and neither were oilseeds which had their own quotas based on declared seeded acreage.

The number of specified acres tributary to a delivery point indicate the amount of land available for grain production as well as the demand for grain handling and storage facilities. Table 3.8 sets out the specified acreage for each delivery point from 1962-63 to 1969-70. In 1969-70, 2,740,623 acres of the 3,375,790 acres of farmland in the Melfort-Wakaw region were specified acreage. A 1 bushel quota would, therefore, result in the delivery of over 2.74 million bushels of grain.

Total specified acreage changed very little from 1962-63 to 1969-70, there being a gain of only 1.0 percent. Losses were concentrated in the smaller communities. Of the 36 points that had decreases, only two were towns and none were greater towns. The largest drop, 58.0 percent, occurred at Tiger Hills; the largest rise, 79.5 percent, happened at Melfort.

Following the operation LIFT program of 1970-71, further changes in the delivery quota system were introduced for the 1971-72 crop year. Under the new system each producer was required to calculate his total number of assignable acres by adding together his 1971 acreages in (1) the six quota grains;<sup>1</sup> (2) summer fallow; (3) other miscellaneous annual crops and (4) perennial forage up to one third of the total of items (1) to (3). Subject to certain regulations, total assignable acres could be distributed for quota purposes to any one of the quota grains whether or not the producer had any land seeded to the particular crop in 1971. Consequently, there are about 16 different delivery quotas, each with a separate assigned acreage and each of which may be terminated or increased independently by the Wheat Board.

Table 3.9 shows seeded and quota acreages by delivery point for the Melfort-Wakaw study area in 1971-72. The quota acres assigned to durum and all other wheat amounted to more than three times the acreage seeded to all wheat and the ratio of seeded acres to total quota acres was as follows: oats, 1:0.2; barley, 1:0.9; rye, 1:1.2; flax, 1:1.6; and rape, 1:1.2. Hagen and Vonda are examples of delivery points at which producers assigned a portion of their quota acres to a crop which they did not plant in 1971. Although acreages at these places were assigned to durum wheat, none was planted.

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<sup>1</sup>These grains are wheat including durum wheat, barley, oats, rye, flaxseed and rapeseed.

TABLE 3.8 CANADIAN WHEAT BOARD SPECIFIED ACREAGE FOR DELIVERY QUOTA PURPOSES BY DELIVERY POINT, 1962-63 TO 1969-70

Delivery Point	1962-63 <sup>a</sup>	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	Percent of Change 1962-63 to 1969-70
- acres -									
<i>Too Small to Classify</i>									
1 Burton Lake	*	*	*	*	*	Closed	Closed	*	
2 Clarkboro	*	*	*	*	*	*	*	*	
3 Rak	8,053	7,998	8,285	7,684	7,160	*	*	*	
4 Irvington	9,742	7,729	7,597	6,728	6,205	*	*	*	
5 Thaxted	7,558	8,080	8,938	8,891	8,260	*	*	*	
6 Waierville	*	*	*	*	*	*	*	*	
7 Mileage 102.2	13,978	13,963	12,738	11,741	12,780	*	Closed	*	
8 Tiger Hills	9,040	6,364	6,587	5,399	5,006	14,294	13,092	10,078	-27.9
9 Rutan	15,173	16,036	15,495	16,116	15,995	4,952	4,758	3,796	-58.0
10 Claggett	7,418	7,694	7,278	8,037	7,486	15,715	15,823	17,797	+17.3
11 Leofhard	13,757	13,206	13,611	13,250	12,131	7,745	5,842	4,819	-35.0
12 Toizke	11,780	12,959	13,794	13,807	14,074	11,510	8,254	8,852	-35.7
13 Clemens	16,177	16,550	18,133	18,689	18,192	13,856	13,752	12,674	+7.6
14 Lepine	17,537	17,003	17,503	18,956	18,968	18,677	9,238	9,295	-42.5
15 Carpenter	11,594	11,262	11,432	11,161	10,701	19,938	19,136	19,790	+12.8
16 Fenton	14,003	14,359	13,444	14,584	7,212	10,890	10,223	10,564	-8.9
17 Bremen	28,668	28,126	28,223	30,144	32,767	7,805	7,224	8,594	-38.6
18 Dixon	23,607	22,799	24,453	24,855	25,048	32,025	31,224	30,424	+6.1
						23,925	25,183	23,763	+0.7
<i>Hamlets</i>									
19 Daylesford	18,729	17,377	16,103	16,826	15,109	15,673	14,865	13,655	-27.1
20 Ens	21,803	20,155	21,072	21,365	23,215	23,096	17,759	18,563	-14.9
21 Lenvale	21,142	22,145	22,158	19,524	21,024	21,220	20,842	18,702	-11.5
22 Naisberry	21,257	21,262	20,442	20,080	20,561	20,741	21,918	21,381	-27.6
23 Whitome	20,256	19,846	19,452	19,146	18,713	19,063	19,051	16,994	-16.1
24 Silver Park	13,074	12,908	13,397	12,930	13,487	13,116	10,291	9,399	-28.1
25 Resource	17,989	18,925	17,513	17,594	16,714	16,705	19,460	12,725	-29.3
26 Tarnopol	8,937	9,008	9,971	n.a.	70	Closed			
27 Lipsett	20,999	21,187	19,804	18,485	18,957	19,946	20,375	20,676	-1.5
28 Peterson	27,985	27,734	26,366	27,567	28,893	28,356	29,221	30,309	+8.3
29 Moseley	40,684	40,150	40,513	38,594	38,766	37,893	37,979	36,294	-10.8
30 Reynaud	15,971	16,182	16,067	15,307	16,504	16,470	16,957	14,300	-10.5
31 Brancepeth	36,949	38,188	36,915	37,314	36,177	36,163	36,046	33,727	-8.7
32 Hagen	24,958	24,850	26,101	27,102	27,418	26,453	25,161	21,910	-12.2
33 Smuts	16,873	15,247	14,868	15,558	18,423	17,942	14,676	12,125	-28.1
34 Fairy Glen	29,327	30,092	29,642	31,978	27,966	28,109	28,007	26,229	-10.6
<i>Villages</i>									
35 Ethelton	31,724	32,699	32,535	31,947	32,992	32,861	32,260	29,042	-8.5
36 Lac Vert	37,291	39,419	39,095	41,499	41,282	37,436	37,726	37,981	+1.9
37 Fulda	50,174	50,789	51,156	51,144	50,969	48,588	48,281	45,633	-9.1
38 Tway	12,658	11,601	11,567	19,460	11,031	11,151	12,334	15,030	-16.8
39 Pleasantdale	29,243	29,503	29,541	27,260	27,164	29,006	30,949	31,012	+6.0

(continued)

See footnotes at end of table

TABLE 3.8 CANADIAN WHEAT BOARD SPECIFIED ACREAGE FOR DELIVERY QUOTA PURPOSES BY DELIVERY POINT, 1962-63 TO 1969-70 (concluded)

Delivery Point	1962-63 <sup>a</sup>	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	Percent of Change 1962-63 to 1969-70
					- acres -				
40 Beatty	61,476	58,322	58,601	53,794	51,867	59,723	62,286	55,931	- 9.0
41 Brooksby	38,246	37,854	38,211	37,546	39,859	39,449	39,442	45,740	+19.6
42 Hoey	48,256	49,707	49,619	51,635	52,355	52,447	53,252	54,182	+12.3
43 Pathlow	28,419	26,411	25,957	24,747	25,628	25,435	26,446	24,613	-13.4
44 Elstow	31,091	31,104	32,248	32,928	31,491	33,253	33,111	25,733	-17.2
45 Meskanaw	33,886	33,411	34,181	31,305	31,115	30,822	31,191	31,883	- 5.9
46 Pilger	38,928	38,884	39,936	39,231	37,226	37,724	39,064	35,195	- 9.6
47 Crystal Springs	20,823	22,367	21,338	20,891	21,892	19,740	19,603	18,812	- 9.7
48 Gronlid	55,449	57,426	56,935	54,640	53,893	54,544	55,153	47,251	-14.8
49 Carmel	54,954	56,907	57,189	56,719	57,944	57,863	55,932	54,066	- 1.6
50 Weldon	63,354	63,806	62,880	61,055	62,726	67,247	67,989	63,434	+ 0.1
51 Meacham	71,286	73,175	73,563	69,178	69,681	69,888	68,819	66,474	- 6.8
52 St. Benedict	37,455	37,207	38,410	39,124	39,374	38,698	38,980	38,805	+ 3.6
53 Ridgedale	49,615	48,580	48,573	46,054	45,173	51,260	52,385	59,852	+20.6
54 Prud'homme	70,315	68,621	70,194	68,868	69,146	69,258	69,860	71,625	+1.9
55 Muenster	49,828	48,418	49,193	49,516	50,458	52,000	50,788	45,486	- 8.7
56 Alvena	58,401	62,766	63,255	65,749	66,022	65,308	66,925	63,525	+ 8.8
57 Domremy	73,687	73,380	76,493	73,318	75,085	74,371	76,468	74,128	+ 0.6
<i>Towns</i>									
58 Yellow Creek	30,034	28,952	29,137	30,231	35,425	36,571	38,474	36,936	+23.0
59 St. Louis	34,829	35,196	36,274	35,740	36,142	36,648	36,919	37,257	+ 7.0
60 Aberdeen	90,492	89,972	90,670	89,162	87,816	93,133	91,689	86,105	- 4.8
61 Middle Lake	34,018	35,126	34,924	35,541	37,634	38,448	38,914	41,064	+20.7
62 Lake Lenore	93,587	95,067	97,019	95,731	96,932	99,000	99,834	103,317	+10.4
63 St. Brieux	70,224	73,165	75,311	70,012	70,375	70,970	70,627	73,469	+ 4.6
64 Vonda	62,062	65,092	64,276	62,141	65,745	68,357	72,096	64,838	+ 4.5
65 Viscount	46,957	49,317	50,262	48,851	51,718	49,387	48,514	49,024	+ 4.4
66 Star City	61,083	60,165	60,588	60,182	59,756	62,565	62,051	59,670	- 2.3
67 Colonsay	37,994	40,325	41,709	40,156	40,373	39,842	38,600	43,755	+15.2
68 Bruno	77,172	76,321	76,775	75,853	77,482	76,729	77,099	80,633	+ 4.5
69 Naicam	81,318	83,481	87,747	88,223	89,543	92,487	95,214	95,547	+17.5
70 Cudworth	68,736	71,048	71,338	71,265	72,149	74,110	77,215	76,892	+11.9
<i>Greater Towns</i>									
71 Kinistino	99,464	101,451	100,154	99,701	103,134	105,848	106,010	100,990	+ 1.5
72 Birch Hills	70,621	74,647	74,599	76,639	77,885	80,594	81,556	79,518	+12.6
73 Wakaw	56,047	58,033	59,448	59,448	60,470	59,432	65,274	64,340	+14.8
74 Humboldt	50,109	51,973	51,652	53,189	55,793	57,802	59,117	83,455	+66.5
75 Melfort	37,288	36,207	37,387	33,703	31,696	39,124	50,768	66,945	+79.5
Study Area Total	2,713,612	2,737,279	2,758,235	2,722,788	2,738,423	2,767,175	2,781,165	2,740,623	+ 1.0

\*Storage only.

n.a. - Not available.

<sup>a</sup>Durum excluded from specified acreage in 1962-63.

Source: Canadian Wheat Board, Winnipeg.

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72

	7 Mileage 102.2				Too Small to Classify				12 Totzke				14 Lepine			
	Seeded & Acreage	Quota Acres	Summer Fallow Acreage	Seeded & Acreage	9 Rutan	Quota Acres	Summer Fallow Acreage	Seeded & Acreage	12 Totzke	Quota Acres	Summer Fallow Acreage	Seeded & Acreage	14 Lepine	Quota Acres	Summer Fallow Acreage	Seeded & Acreage
Hercules Durum	105	105	12	12		6										
% of Total	0.9	0.9	0.1	0.1		0.1										
Other Durum	-	-	-	173		1.2						85		165		
% of Total	-	-	-									0.5		0.9		
All Other Wheat	1,362	4,719	3,705	9,444		10,072		4,978		10,072		5,081		13,000		
% of Total	11.1	38.8	25.4	64.8		88.3		43.5		88.3		27.1		69.4		
Oats	160	50	246	20		20		468				749				
% of Total	1.3	0.4	1.7	0.1		0.1		4.1				4.0				
Selected Oats	-	-	-	-		-		-		-		-		-		
% of Total	-	-	-	-		-		-		-		-		-		
Barley	2,580	1,458	2,534	1,006		1,006		1,548		570		2,255		986		
% of Total	21.0	12.0	17.4	6.9		6.9		13.5		5.0		12.0		5.3		
Selected Barley	-	1,100	-	1,250		1,250		-		400		-		680		
% of Total	-	9.0	-	8.6		8.6		-		3.5		-		3.6		
Rye	-	-	-	-		-		-		-		-		-		
% of Total	-	-	-	-		-		-		-		-		-		
Other Rye	-	-	-	-		-		-		-		-		-		
% of Total	-	-	-	-		-		-		-		-		-		
Flaxseed	9	80	236	345		345		-		40		202		207		
% of Total	0.1	0.7	1.6	2.4		2.4		-		0.4		1.1		1.1		
Flaxseed for Crushing	-	-	-	-		-		-		-		-		-		
% of Total	-	-	-	-		-		-		-		-		-		
Low Erucic Acid Rape	436	436	850	735		735		-		-		270		270		
% of Total	3.6	3.6	5.9	5.0		5.0		-		-		1.4		1.4		
Other Rapeseed	3,122	4,213	1,861	1,587		1,587		298		324		3,492		3,421		
% of Total	25.5	34.6	12.8	10.9		10.9		2.6		2.8		18.6		18.3		
Misc. Crops	-	-	-	-		-		75		-		235		-		
% of Total	-	-	-	-		-		0.7		-		1.3		-		
Summer Fallow	4,160	-	5,000	-		-		3,736		-		5,886		-		
% of Total	34.0	-	34.3	-		-		32.7		-		31.4		-		
Subtotal	11,934	12,161	14,444	14,566		14,566		11,103		11,406		18,255		18,729		
% of Total	97.5	100.0	99.2	100.0		100.0		97.1		100.0		97.4		100.0		
Perennial Forage	310	-	122	-		-		333		-		493		-		
% of Total	2.5	-	0.8	-		-		2.9		-		2.6		-		
TOTAL ACRES <sup>a</sup>	12,244	12,161	14,566	14,566		14,566		11,436		11,406		18,748		18,729		
% of Total	100.0	100.0	100.0	100.0		100.0		100.0		100.0		100.0		100.0		

See footnotes at end of table

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	Too Small to Classify (continued)			Hamlets		
	17 Bremen	18 Dixon	19 Daylesford	20 Ens	21 Lenvale	
	Seeded & Summer Acreage	Seeded & Summer Acreage	Seeded & Summer Acreage	Seeded & Summer Acreage	Seeded & Summer Acreage	Quota Acres
Hercules Durum % of Total	-	70	-	-	-	-
Other Durum	-	0.4	-	-	-	-
% of Total	-	-	-	10	-	-
All Other Wheat	9,799	4,883	1,305	5,163	1,784	6,008
% of Total	30.3	25.3	23.9	27.5	13.7	46.1
Oats	1,441	1,078	118	600	496	197
% of Total	4.4	5.6	2.2	3.2	3.8	1.5
Selected Oats	-	-	-	-	-	43
% of Total	-	-	-	-	-	0.3
Barley	5,843	2,584	1,092	1,880	2,619	1,954
% of Total	18.1	13.4	20.0	10.0	20.1	15.0
Selected Barley	-	900	-	-	-	650
% of Total	-	2.8	-	-	-	5.0
Rye	-	-	-	-	70	130
% of Total	-	-	-	-	0.5	1.0
Other Rye	-	-	-	-	-	-
% of Total	-	-	-	-	-	-
Flaxseed	-	-	-	-	-	-
% of Total	-	50	-	122	-	47
Flaxseed for Crushing	-	0.3	-	0.6	-	0.4
% of Total	-	-	-	-	-	-
Low Erucic Acid Rape	767	155	-	-	-	-
% of Total	2.4	0.8	-	95	405	470
Other Rapeseed	1,613	3,281	1,000	3,306	2,377	3,531
% of Total	5.0	17.0	18.3	17.6	18.2	27.1
Misc. Crops	265	108	-	-	169	-
% of Total	0.8	0.6	-	-	1.3	-
Summer Fallow	10,888	6,580	1,710	7,141	4,456	-
% of Total	33.7	34.1	31.3	38.0	34.2	-
Subtotal	30,616	18,789	5,225	18,317	12,376	13,030
% of Total	94.7	97.5	95.7	97.5	94.9	100.0
Perennial Forage	1,721	478	237	465	668	-
% of Total	5.3	2.5	4.3	2.5	5.1	-
TOTAL ACRES <sup>a</sup>	32,337	19,267	5,462	18,782	13,044	13,030
% of Total	100.0	100.0	100.0	100.0	100.0	100.0

(continued)

See footnotes at end of table

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	22 Naisberry				23 Whitton				25 Resource				27 Lipsett				28 Peterson			
	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres
Hercules Durum	30	10	89	139	-	-	-	-	-	-	138	138	40	40	40	40	40	40	40	40
% of Total	0.2	0.1	0.4	0.6	-	-	-	-	-	-	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Other Durum	-	-	-	270	-	-	-	-	-	-	-	-	78	78	78	78	78	78	78	78
% of Total	-	-	-	1.2	-	-	-	-	-	-	-	-	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
All Other Wheat	1,204	6,529	2,013	9,368	2,439	8,441	2,439	8,441	2,439	8,441	2,805	9,892	8,324	21,603	8,324	21,603	8,324	21,603	8,324	21,603
% of Total	8.1	44.1	9.1	42.1	15.0	51.9	15.0	51.9	15.0	51.9	11.6	40.9	27.7	71.8	27.7	71.8	27.7	71.8	27.7	71.8
Oats	169	70	618	57	491	15	491	15	491	15	536	200	693	82	693	82	693	82	693	82
% of Total	1.1	0.5	2.8	0.3	3.0	0.1	3.0	0.1	3.0	0.1	2.2	0.8	2.3	0.3	2.3	0.3	2.3	0.3	2.3	0.3
Selected Oats	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% of Total	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barley	3,255	2,276	4,825	1,910	2,369	1,517	2,369	1,517	2,369	1,517	4,728	2,928	4,666	3,631	4,666	3,631	4,666	3,631	4,666	3,631
% of Total	21.9	15.4	21.7	8.6	14.6	9.3	14.6	9.3	14.6	9.3	19.5	12.1	15.5	12.1	15.5	12.1	15.5	12.1	15.5	12.1
Selected Barley	-	1,100	-	1,850	-	750	-	750	-	750	-	2,750	-	950	-	950	-	950	-	950
% of Total	-	7.4	-	8.3	-	4.6	-	4.6	-	4.6	-	11.4	-	3.2	-	3.2	-	3.2	-	3.2
Rye	-	-	-	-	170	220	170	220	170	220	50	50	35	35	35	35	35	35	35	35
% of Total	-	-	-	-	1.0	1.4	1.0	1.4	1.0	1.4	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Other Rye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% of Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flaxseed	10	30	121	216	45	100	45	100	45	100	-	92	295	428	295	428	295	428	295	428
% of Total	0.1	0.2	0.5	1.0	0.3	0.6	0.3	0.6	0.3	0.6	-	0.4	1.0	1.4	1.0	1.4	1.0	1.4	1.0	1.4
Flaxseed for Crushing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% of Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Low Erucic Acid Rape	713	256	1,448	742	373	363	373	363	373	363	517	520	370	370	370	370	370	370	370	370
% of Total	4.8	1.7	6.5	3.3	2.3	2.2	2.3	2.2	2.3	2.2	2.1	2.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Other Rapeseed	3,700	4,521	4,849	7,669	3,032	4,854	3,032	4,854	3,032	4,854	6,058	7,616	1,826	2,193	1,826	2,193	1,826	2,193	1,826	2,193
% of Total	25.0	30.6	21.8	34.5	18.6	29.9	18.6	29.9	18.6	29.9	24.9	31.5	6.1	7.3	6.1	7.3	6.1	7.3	6.1	7.3
Misc. Crops	-	-	74	-	173	-	173	-	173	-	5	-	406	-	406	-	406	-	406	-
% of Total	-	-	0.3	-	1.1	-	1.1	-	1.1	-	0.0	-	1.3	-	1.3	-	1.3	-	1.3	-
Summer Fallow	5,013	-	7,599	-	5,787	-	5,787	-	5,787	-	7,995	-	12,520	-	12,520	-	12,520	-	12,520	-
% of Total	33.8	-	34.2	-	35.6	-	35.6	-	35.6	-	32.9	-	41.6	-	41.6	-	41.6	-	41.6	-
Subtotal	14,094	14,792	21,636	22,246	14,879	16,260	14,879	16,260	14,879	16,260	22,832	24,186	29,253	30,070	29,253	30,070	29,253	30,070	29,253	30,070
% of Total	95.2	100.0	97.3	100.0	91.5	100.0	91.5	100.0	91.5	100.0	94.0	100.0	97.2	100.0	97.2	100.0	97.2	100.0	97.2	100.0
Perennial Forage	718	-	610	-	1,384	-	1,384	-	1,384	-	1,447	-	829	-	829	-	829	-	829	-
% of Total	4.8	-	2.7	-	8.5	-	8.5	-	8.5	-	6.0	-	2.8	-	2.8	-	2.8	-	2.8	-
TOTAL ACRES <sup>a</sup>	14,812	14,792	22,246	22,246	16,263	16,260	16,263	16,260	16,263	16,260	24,279	24,186	30,082	30,070	30,082	30,070	30,082	30,070	30,082	30,070
% of Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

See footnotes at end of table (continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	Hamlets (concluded)				Hamlets (concluded)				Hamlets (concluded)			
	29 Moseley		30 Reynaud		31 Brancepeth		32 Hagen		34 Fairy Glen			
	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres
Hercules Durum	120	120	30	30	50	50	-	-	3	-	-	-
% of Total	0.3	0.3	0.3	0.3	0.1	0.1	-	-	0.0	-	-	-
Other Durum	-	25	-	-	-	-	-	-	-	105	-	-
% of Total	-	0.1	-	-	-	-	-	-	-	0.4	-	-
All Other Wheat	7,102	24,861	2,137	6,233	4,399	17,515	4,521	17,217	3,531	11,790	-	-
% of Total	19.1	66.9	20.0	59.0	12.4	49.2	16.4	62.5	12.5	41.8	-	-
Oats	1,747	145	403	-	1,068	552	977	132	1,059	244	-	-
% of Total	4.7	0.4	3.8	-	3.0	1.6	3.5	0.5	3.7	0.9	-	-
Selected Oats	-	50	-	-	-	75	-	-	-	-	-	-
% of Total	-	0.1	-	-	-	0.2	-	-	-	-	-	-
Barley	7,535	1,665	1,047	391	10,386	7,790	6,265	4,382	5,079	5,319	-	-
% of Total	20.2	4.5	9.8	3.7	29.2	21.9	22.7	15.9	17.9	18.8	-	-
Selected Barley	-	3,460	-	400	-	1,300	-	900	-	1,050	-	-
% of Total	-	9.3	-	3.8	-	3.7	-	3.3	-	3.7	-	-
Rye	65	65	-	-	-	-	30	20	40	90	-	-
% of Total	0.2	0.2	-	-	-	-	0.1	0.1	0.1	0.3	-	-
Other Rye	-	-	-	-	-	-	-	-	-	-	-	-
% of Total	-	-	-	-	-	-	-	-	-	-	-	-
Flaxseed	100	145	50	155	82	362	142	374	45	125	-	-
% of Total	0.3	0.4	0.5	1.5	0.2	1.0	0.5	1.3	0.2	0.4	-	-
Flaxseed for Crushing	-	-	-	-	-	-	-	-	-	-	-	-
% of Total	-	-	-	-	-	-	-	-	-	-	-	-
Low Erucic Acid Rape	222	187	72	72	-	150	272	205	325	335	-	-
% of Total	0.6	0.5	0.7	0.7	-	0.4	1.0	0.7	1.1	1.2	-	-
Other Rapeseed	5,568	6,425	2,343	3,275	6,513	7,801	3,774	4,205	6,657	9,277	-	-
% of Total	14.9	17.3	22.0	31.0	18.3	21.9	13.7	15.3	23.5	32.9	-	-
Misc. Crops	306	-	75	-	50	-	540	-	2	-	-	-
% of Total	0.8	-	0.7	-	0.2	-	2.0	-	0.0	-	-	-
Summer Fallow	13,250	-	3,916	-	11,721	-	10,059	-	9,160	-	-	-
% of Total	35.6	-	36.7	-	32.9	-	36.5	-	32.3	-	-	-
Subtotal	36,015	37,148	10,073	10,556	34,269	35,595	26,580	27,540	25,901	28,230	-	-
% of Total	96.7	100.0	94.5	100.0	96.3	100.0	96.4	100.0	91.3	100.0	-	-
Perennial Forage	1,240	-	589	-	1,326	-	980	-	2,466	-	-	-
% of Total	3.3	-	5.5	-	3.7	-	3.6	-	8.7	-	-	-
TOTAL ACRES <sup>a</sup>	37,255	37,148	10,662	10,556	35,595	35,595	27,560	27,540	28,367	28,230	-	-
% of Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-

See footnotes at end of table (continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	35 Ethelton				36 Lac Vert				37 Fulda				38 Tway				39 Pleasantdale			
	Seeded & Summer Acreage	Fallow Acres	Quota Acres		Seeded & Summer Acreage	Fallow Acres	Quota Acres		Seeded & Summer Acreage	Fallow Acres	Quota Acres		Seeded & Summer Acreage	Fallow Acres	Quota Acres		Seeded & Summer Acreage	Fallow Acres	Quota Acres	
Hercules Durum	160		160		-		-		-		-		-		-		-		-	
% of Total	0.4		0.4		-		-		-		-		-		-		-		-	
Other Durum	-		-		12		12		78		265		-		-		-		-	
% of Total	-		-		0.0		0.0		0.1		0.5		-		-		-		-	
All Other Wheat	4,606	18,067	24,079		7,059	24,079	35,670		11,360	35,670	13,035		3,516	13,035	5,645	17,518				
% of Total	12.8	50.2	59.4		17.2	59.4	69.7		22.2	69.7	69.8		18.8	69.8	17.5	56.3				
Oats	679	80	853		1,891	853	92		2,367	92	214		1,024	214	1,815	898				
% of Total	1.9	0.2	2.1		4.6	2.1	0.2		4.6	0.2	1.2		5.5	1.2	5.6	2.9				
Selected Oats	-	20	10		-	10	-		-	-	-		-	-	-	-				
% of Total	-	0.1	0.0		-	0.0	-		-	-	-		-	-	-	-				
Barley	8,022	4,316	5,216		5,776	5,216	3,912		7,506	3,912	678		2,008	678	4,259	4,937				
% of Total	22.3	12.0	12.9		14.1	12.9	7.7		14.7	7.7	3.6		10.8	3.6	13.2	15.9				
Selected Barley	-	2,250	950		-	950	1,800		-	1,800	500		-	500	-	100				
% of Total	-	6.2	2.3		-	2.3	3.5		-	3.5	2.7		-	2.7	-	0.3				
Rye	68	158	-		-	-	50		40	50	-		-	-	235	572				
% of Total	0.2	0.4	-		-	-	0.1		0.1	0.1	-		-	-	0.7	1.8				
Other Rye	-	-	-		-	-	-		-	-	-		-	-	-	-				
% of Total	-	-	-		-	-	-		-	-	-		-	-	-	-				
Flaxseed	50	110	240		204	240	316		287	316	100		59	100	-	-				
% of Total	0.1	0.3	0.6		0.5	0.6	0.6		0.6	0.6	0.5		0.3	0.5	-	-				
Flaxseed for Crushing	-	-	-		-	-	-		-	-	-		-	-	-	-				
% of Total	-	-	-		-	-	-		-	-	-		-	-	-	-				
Low Erucic Acid Rape	315	165	629		876	629	872		740	872	561		651	561	101	101				
% of Total	0.9	0.5	1.6		2.1	1.6	1.7		1.4	1.7	3.0		3.5	3.0	0.3	0.3				
Other Rapeseed	8,401	10,678	8,529		6,964	8,529	8,165		7,878	8,165	3,586		3,297	3,586	4,241	6,987				
% of Total	23.3	29.7	21.1		17.0	21.1	16.0		15.4	16.0	19.2		17.6	19.2	13.1	22.5				
Misc. Crops	-	-	-		357	-	-		915	-	-		-	-	641	-				
% of Total	-	-	-		0.9	-	-		1.8	-	-		-	-	2.0	-				
Summer Fallow	12,119	-	-		14,546	-	-		17,666	-	-		7,278	-	10,618	-				
% of Total	33.6	-	-		35.5	-	-		34.5	-	-		38.9	-	32.9	-				
Subtotal	34,420	36,004	40,518		37,685	40,518	51,142		48,837	51,142	18,674		17,833	18,674	27,555	31,113				
% of Total	95.5	100.0	100.0		91.9	100.0	100.0		95.4	100.0	100.0		95.4	100.0	85.3	100.0				
Perennial Forage	1,623	-	-		3,339	-	-		2,331	-	-		857	-	4,737	-				
% of Total	4.5	-	-		8.1	-	-		4.6	-	-		4.6	-	14.7	-				
TOTAL ACRES <sup>a</sup>	36,043	36,004	40,518		41,024	40,518	51,142		51,168	51,142	18,674		18,690	18,674	32,292	31,113				
% of Total	100.0	100.0	100.0		100.0	100.0	100.0		100.0	100.0	100.0		100.0	100.0	100.0	100.0				

See footnotes at end of table (continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	Villages (continued)											
	40 Beatty			41 Brooksby			42 Hoey			43 Pathlow		
	Seeded & Summer Acreage	Fallow Acres	Quota Acres	Seeded & Summer Acreage	Fallow Acres	Quota Acres	Seeded & Summer Acreage	Fallow Acres	Quota Acres	Seeded & Summer Acreage	Fallow Acres	Quota Acres
Hercules Durum	55		50	40		40	-		-	-		45
% of Total	0.1		0.1	0.1		0.1	-		-	-		0.3
Other Durum	-		-	-		205	-		-	-		505
% of Total	-		-	-		0.4	-		-	-		3.2
All Other Wheat	8,521		27,141	6,074		24,052	8,215		24,758	4,613		15,317
% of Total	11.9		37.9	13.0		52.2	20.5		62.0	16.0		53.9
Oats	1,469		171	1,584		201	1,739		360	818		210
% of Total	2.0		0.2	3.4		0.4	4.3		0.9	2.8		0.7
Selected Oats	-		180	-		-	-		100	-		50
% of Total	-		0.3	-		-	-		0.2	-		0.2
Barley	14,697		9,943	7,392		6,776	7,276		5,582	4,821		1,787
% of Total	20.5		13.9	15.9		14.7	18.2		14.0	16.7		6.3
Selected Barley	-		3,950	-		600	-		900	-		2,200
% of Total	-		5.5	-		1.3	-		2.2	-		7.7
Rye	-		-	160		40	430		498	-		-
% of Total	-		-	0.4		0.1	1.1		1.2	-		-
Other Rye	-		-	-		100	-		-	-		-
% of Total	-		-	-		0.2	-		-	-		-
Flaxseed	130		408	220		210	-		20	35		75
% of Total	0.2		0.6	0.5		0.5	-		0.1	0.1		0.3
Flaxseed for Crushing	-		-	-		100	-		-	-		-
% of Total	-		-	-		0.2	-		-	-		-
Low Erucic Acid Rape	969		799	1,179		1,000	75		75	135		105
% of Total	1.4		1.1	2.5		2.2	0.2		0.2	0.5		0.4
Other Rapeseed	19,848		28,952	10,124		12,774	6,805		7,655	6,014		8,657
% of Total	27.7		40.4	21.7		27.7	17.0		19.2	20.9		30.5
Misc. Crops	147		-	13		-	1,050		-	136		-
% of Total	0.2		-	0.0		-	2.6		-	0.5		-
Summer Fallow	24,240		-	17,306		-	11,757		-	9,175		-
% of Total	33.8		-	37.2		-	29.4		-	31.9		-
Subtotal	70,076		71,594	44,092		46,098	37,347		39,948	25,747		28,401
% of Total	97.8		100.0	94.7		100.0	93.3		100.0	89.4		100.0
Perennial Forage	1,606		-	2,474		-	2,678		-	3,045		-
% of Total	2.2		-	5.3		-	6.7		-	10.6		-
TOTAL ACRES <sup>a</sup>	71,682		71,594	46,566		46,098	40,025		39,948	28,792		28,401
% of Total	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0

See footnotes at end of table (continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	Villages (continued)									
	45 Meskanaw		46 Pilger		47 Crystal Springs		48 Gronlid		49 Carmel	
	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres
Hercules Durum	125	125	-	-	-	-	-	-	115	110
% of Total	0.4	0.4	-	-	-	-	-	-	0.2	0.2
Other Durum	-	-	-	-	-	-	-	-	155	215
% of Total	-	-	-	-	-	-	-	-	0.3	0.4
All Other Wheat	4,318	13,887	6,503	20,947	4,328	12,652	8,303	29,616	14,875	41,044
% of Total	15.0	48.2	23.3	76.6	26.8	79.9	15.4	55.5	28.2	78.0
Oats	1,116	100	3,081	190	954	156	3,301	1,458	2,945	37.1
% of Total	3.9	0.4	11.0	0.7	5.9	1.0	6.1	2.7	5.6	0.7
Selected Oats	-	-	-	160	-	40	-	-	-	60
% of Total	-	-	-	0.6	-	0.3	-	-	-	0.1
Barley	6,296	5,922	3,258	1,519	2,115	1,145	6,602	7,505	5,770	3,922
% of Total	21.8	20.5	11.7	5.6	13.1	7.2	12.2	14.1	10.9	7.4
Selected Barley	-	1,150	-	1,200	-	50	-	450	-	350
% of Total	-	4.0	-	4.4	-	0.3	-	0.8	-	0.7
Rye	60	60	-	-	-	-	386	649	4	5
% of Total	0.2	0.2	-	-	-	-	0.7	1.2	0.0	0.0
Other Rye	-	-	-	10	-	-	-	-	-	-
% of Total	-	-	-	0.0	-	-	-	-	-	-
Flaxseed	-	70	40	40	-	25	80	217	226	419
% of Total	-	0.2	0.2	0.1	-	0.2	0.2	0.4	0.4	0.8
Flaxseed for Crushing	-	-	-	-	-	-	-	-	-	-
% of Total	-	-	-	-	-	-	-	-	-	-
Low Erucic Acid Rape	120	60	40	40	-	-	327	131	186	186
% of Total	0.4	0.2	0.1	0.1	-	-	0.6	0.3	0.4	0.4
Other Rapeseed	5,886	7,454	3,135	3,258	1,324	1,763	10,664	13,317	5,685	5,944
% of Total	20.4	25.9	11.2	11.9	8.2	11.1	19.7	25.0	10.8	11.3
Misc. Crops	10	-	-	-	2	-	531	-	948	-
% of Total	0.0	-	-	-	0.0	-	1.0	-	1.8	-
Summer Fallow	8,416	-	8,584	-	5,741	-	17,365	-	19,838	-
% of Total	29.1	-	30.7	-	35.4	-	32.1	-	37.5	-
Subtotal	26,347	28,828	24,641	27,364	14,464	15,831	47,559	53,343	50,747	52,626
% of Total	91.2	100.0	88.2	100.0	89.4	100.0	88.0	100.0	96.1	100.0
Perennial Forage	2,537	-	3,311	-	1,708	-	6,465	-	2,080	-
% of Total	8.8	-	11.8	-	10.6	-	12.0	-	3.9	-
TOTAL ACRES <sup>a</sup>	28,884	28,828	27,952	27,364	16,172	15,831	54,024	53,343	52,827	52,626
% of Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(continued)

See footnotes at end of table

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	50 Weldon				51 Meacham				52 St. Benedict				53 Ridgedale				54 Prud'homme			
	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres
Hercules Durum	-	-	130	100	-	-	-	-	-	-	-	-	-	-	-	-	80	70	-	-
% of Total	-	-	0.1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-	-
Other Durum	-	-	57	723	55	305	-	-	-	-	-	-	-	-	-	-	-	160	-	-
% of Total	-	-	0.1	1.1	0.1	0.7	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-
All Other Wheat	8,592	29,846	17,027	46,232	9,085	31,076	-	-	-	-	-	-	9,751	36,446	-	-	23,471	58,270	-	-
% of Total	12.0	42.0	25.7	69.8	20.2	69.0	-	-	-	-	-	-	14.8	55.7	-	-	31.9	79.2	-	-
Oats	2,460	714	1,106	172	1,851	148	-	-	-	-	-	-	3,704	1,218	-	-	3,439	395	-	-
% of Total	3.4	1.0	1.7	0.3	4.1	0.3	-	-	-	-	-	-	5.6	1.9	-	-	4.7	0.5	-	-
Selected Oats	-	120	-	70	-	25	-	-	-	-	-	-	-	456	-	-	-	100	-	-
% of Total	-	0.2	-	0.1	-	0.1	-	-	-	-	-	-	-	0.7	-	-	-	0.1	-	-
Barley	17,033	12,835	12,519	6,495	6,100	2,212	-	-	-	-	-	-	7,933	7,162	-	-	8,936	6,249	-	-
% of Total	23.8	18.1	18.9	9.8	13.5	4.9	-	-	-	-	-	-	12.0	10.9	-	-	12.1	8.5	-	-
Selected Barley	-	2,800	-	4,390	-	1,900	-	-	-	-	-	-	-	400	-	-	-	1,050	-	-
% of Total	-	3.9	-	6.6	-	4.2	-	-	-	-	-	-	-	0.6	-	-	-	1.4	-	-
Rye	95	185	75	-	-	-	-	-	-	-	-	-	162	302	-	-	-	-	-	-
% of Total	0.1	0.3	0.1	-	-	-	-	-	-	-	-	-	0.2	0.5	-	-	-	-	-	-
Other Rye	-	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% of Total	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flaxseed	203	424	427	660	315	332	-	-	-	-	-	-	270	420	-	-	171	121	-	-
% of Total	0.3	0.6	0.6	1.0	0.7	0.7	-	-	-	-	-	-	0.4	0.6	-	-	0.2	0.2	-	-
Flaxseed for Crushing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% of Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Low Erucic Acid Rape	-	20	2,426	2,486	1,488	1,488	-	-	-	-	-	-	470	436	-	-	3,627	1,878	-	-
% of Total	-	0.0	3.7	3.8	3.3	3.3	-	-	-	-	-	-	0.7	0.7	-	-	4.9	2.6	-	-
Other Rapeseed	14,343	24,030	5,790	4,855	6,813	7,551	-	-	-	-	-	-	13,997	18,619	-	-	3,465	5,298	-	-
% of Total	20.1	33.9	8.7	7.3	15.1	16.8	-	-	-	-	-	-	21.2	28.4	-	-	4.7	7.2	-	-
Misc. Crops	396	-	232	-	1,013	-	-	-	-	-	-	-	310	-	-	-	261	-	-	-
% of Total	0.6	-	0.4	-	2.3	-	-	-	-	-	-	-	0.5	-	-	-	0.4	-	-	-
Summer Fallow	23,189	-	25,250	-	15,855	-	-	-	-	-	-	-	23,713	-	-	-	28,146	-	-	-
% of Total	32.4	-	38.1	-	35.2	-	-	-	-	-	-	-	35.9	-	-	-	38.2	-	-	-
Subtotal	66,311	70,974	65,039	66,243	42,575	45,037	-	-	-	-	-	-	60,310	65,459	-	-	71,596	73,591	-	-
% of Total	92.7	100.0	98.2	100.0	94.5	100.0	-	-	-	-	-	-	91.3	100.0	-	-	97.2	100.0	-	-
Perennial Forage	5,260	-	1,204	-	2,482	-	-	-	-	-	-	-	5,721	-	-	-	2,084	-	-	-
% of Total	7.3	-	1.8	-	5.5	-	-	-	-	-	-	-	8.7	-	-	-	2.8	-	-	-
TOTAL ACRES <sup>a</sup>	71,571	70,974	66,243	66,243	45,057	45,037	-	-	-	-	-	-	66,031	65,459	-	-	73,680	73,591	-	-
% of Total	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-	-	-	100.0	100.0	-	-	100.0	100.0	-	-

(continued)

See footnotes at end of table

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	Villages (concluded)												Towns		
	55 Muenster			56 Alivena			57 Domremy			58 Yellow Creek			59 St. Louis		
	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres		
Hercules Durum	57	57	40	20	20	-	-	-	-	-	-	-	-		
% of Total	0.1	0.1	0.1	0.0	0.0	-	-	-	-	-	-	-	-		
Other Durum	60	60	-	-	-	-	-	53	20	120	120	-	-		
% of Total	0.1	0.1	-	-	-	-	-	0.1	0.0	0.3	0.3	-	-		
All Other Wheat	9,876	36,255	18,264	49,271	49,271	16,730	16,730	54,221	5,643	22,687	22,687	7,700	28,006		
% of Total	19.8	72.9	28.0	75.8	75.8	20.1	20.1	65.5	14.2	57.3	57.3	16.0	60.2		
Oats	3,549	250	3,486	535	535	2,830	2,830	355	2,042	52	52	1,667	515		
% of Total	7.1	0.5	5.4	0.8	0.8	3.4	3.4	0.4	5.1	0.1	0.1	3.5	1.1		
Selected Oats	-	50	-	140	140	-	-	274	-	-	-	-	-		
% of Total	-	0.1	-	0.2	0.2	-	-	0.3	-	-	-	-	-		
Barley	7,145	4,083	6,649	2,867	2,867	13,761	13,761	9,910	4,130	3,206	3,206	9,237	6,910		
% of Total	14.3	8.2	10.2	4.4	4.4	16.6	16.6	12.0	10.4	8.1	8.1	19.2	14.8		
Selected Barley	-	2,100	-	1,750	1,750	-	-	1,250	-	100	100	-	900		
% of Total	-	4.2	-	2.7	2.7	-	-	1.5	-	0.3	0.3	-	1.9		
Rye	55	55	83	95	95	315	315	90	-	-	-	694	806		
% of Total	0.1	0.1	0.1	0.2	0.2	0.4	0.4	0.1	-	-	-	1.5	1.7		
Other Rye	-	-	-	-	-	-	-	-	-	-	-	-	-		
% of Total	-	-	-	-	-	-	-	-	-	-	-	-	-		
Flaxseed	117	191	255	309	309	194	194	505	70	145	145	105	293		
% of Total	0.2	0.4	0.4	0.5	0.5	0.2	0.2	0.6	0.2	0.4	0.4	0.2	0.6		
Flaxseed for Crushing	-	-	-	-	-	-	-	110	-	-	-	-	-		
% of Total	-	-	-	-	-	-	-	0.1	-	-	-	-	-		
Low Erucic Acid Rape	368	307	1,729	1,025	1,025	530	530	480	287	287	287	355	355		
% of Total	0.8	0.6	2.7	1.6	1.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8		
Other Rapeseed	6,241	6,335	9,537	9,001	9,001	14,498	14,498	15,598	9,564	12,979	12,979	6,790	8,780		
% of Total	12.5	12.8	14.6	13.8	13.8	17.5	17.5	18.8	24.0	32.8	32.8	14.1	18.9		
Misc. Crops	980	-	205	-	-	2,134	2,134	-	25	-	-	279	-		
% of Total	2.0	-	0.3	-	-	2.6	2.6	-	0.1	-	-	0.6	-		
Summer Fallow	19,415	-	22,910	-	-	27,533	27,533	-	14,878	-	-	14,607	-		
% of Total	39.0	-	35.1	-	-	33.1	33.1	-	37.3	-	-	30.4	-		
Subtotal	47,863	49,743	63,158	65,013	65,013	78,525	78,525	82,846	36,659	39,576	39,576	41,434	46,565		
% of Total	96.0	100.0	96.9	100.0	100.0	94.5	94.5	100.0	92.0	100.0	100.0	86.3	100.0		
Perennial Forage	1,993	-	2,036	-	-	4,570	4,570	-	3,191	-	-	6,595	-		
% of Total	4.0	-	3.1	-	-	5.5	5.5	-	8.0	-	-	13.7	-		
TOTAL ACRES <sup>a</sup>	49,856	49,743	65,194	65,013	65,013	83,095	83,095	82,846	39,850	39,576	39,576	48,029	46,565		
% of Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

See footnotes at end of table

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	60 Aberdeen				61 Middle Lake				62 Lake Lenore				63 St. Brieux				64 Vonda			
	Seeded & Summer Acreage	Fallow Acres	Quota Acres		Seeded & Summer Acreage	Fallow Acres	Quota Acres		Seeded & Summer Acreage	Fallow Acres	Quota Acres		Seeded & Summer Acreage	Fallow Acres	Quota Acres		Seeded & Summer Acreage	Fallow Acres	Quota Acres	
Hercules Durum	230		230		-		-		95		105		45		105		-		-	
% of Total	0.2		0.2		-		-		0.1		0.1		0.1		0.1		-		-	
Other Durum	70		656		-		-		105		270		-		20		-		440	
% of Total	0.1		0.7		-		-		0.1		0.2		-		0.0		-		0.6	
All Other Wheat	22,284		70,119		10,099		34,796		22,957		74,696		15,602		52,961		22,995		53,374	
% of Total	23.5		74.0		21.9		77.0		19.4		63.2		18.3		63.3		32.5		75.7	
Oats	6,727		553		3,343		290		3,670		375		3,259		618		2,401		267	
% of Total	7.1		0.6		7.3		0.6		3.1		0.3		3.8		0.7		3.4		0.4	
Selected Oats	-		942		-		-		-		552		-		-		-		200	
% of Total	-		1.0		-		-		-		0.5		-		-		-		0.3	
Barley	13,795		8,519		6,523		3,061		21,523		8,184		11,760		8,007		10,760		6,179	
% of Total	14.5		9.0		14.1		6.8		18.1		6.9		13.8		9.6		15.2		8.8	
Selected Barley	-		4,200		-		1,850		-		10,750		-		2,600		-		3,000	
% of Total	-		4.4		-		4.1		-		9.1		-		3.1		-		4.3	
Rye	250		280		155		-		150		162		-		300		75		130	
% of Total	0.3		0.3		0.3		-		0.1		0.1		-		0.4		0.1		0.2	
Other Rye	-		-		-		-		-		-		-		-		-		-	
Flaxseed	325		735		155		285		210		295		317		336		223		273	
% of Total	0.3		0.8		0.3		0.6		0.2		0.3		0.4		0.4		0.3		0.4	
Flaxseed for Crushing	-		-		-		-		-		-		-		-		-		40	
% of Total	-		-		-		-		-		-		-		-		-		0.1	
Low Erucic Acid Rape	1,687		1,662		1,475		1,398		985		695		440		440		815		595	
% of Total	1.8		1.8		3.2		3.1		0.8		0.6		0.5		0.5		1.2		0.8	
Other Rapeseed	8,013		6,841		3,491		3,515		20,487		22,104		14,364		18,294		5,554		5,955	
% of Total	8.4		7.2		7.6		7.8		17.3		18.7		16.9		21.9		7.9		8.4	
Misc. Crops	-		-		125		-		1,985		-		271		-		195		-	
% of Total	-		-		0.3		-		1.7		-		0.3		-		0.3		-	
Summer Fallow	38,654		-		14,571		-		41,630		-		29,776		-		25,889		-	
% of Total	40.8		-		31.6		-		35.1		-		34.9		-		36.6		-	
Subtotal	92,035		94,737		39,937		45,195		113,797		118,188		75,834		83,681		68,907		70,453	
% of Total	97.0		100.0		86.6		100.0		96.0		100.0		89.0		100.0		97.5		100.0	
Perennial Forage	2,822		-		6,203		-		4,702		-		9,344		-		1,776		-	
% of Total	3.0		-		13.4		-		4.0		-		11.0		-		2.5		-	
TOTAL ACRES <sup>a</sup>	94,857		94,737		46,140		45,195		118,499		118,188		85,178		83,681		70,633		70,453	
% of Total	100.0		100.0		100.0		100.0		100.0		100.0		100.0		100.0		100.0		100.0	

(continued)

See footnotes at end of table

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	65 Viscount				66 Star City				67 Colonsay				68 Bruno				69 Naicam			
	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres		
Hercules Durum	260	225	90	90	280	290	-	-	-	-	-	-	-	-	-	-	-	-		
% of Total	0.5	0.5	0.1	0.1	0.6	0.6	-	-	-	-	-	-	-	-	-	-	-	-		
Other Durum	190	625	10	10	250	1,342	290	890	290	890	290	890	290	890	290	890	290	890		
% of Total	0.4	1.3	0.0	0.0	0.5	2.9	0.3	1.1	0.3	1.1	0.3	1.1	0.3	1.1	0.3	1.1	0.3	1.1		
All Other Wheat	13,408	34,779	8,315	31,337	11,383	29,503	25,920	63,985	25,920	63,985	25,920	63,985	25,920	63,985	25,920	63,985	25,920	63,985		
% of Total	26.7	70.0	12.5	47.1	24.3	63.0	32.4	80.2	32.4	80.2	32.4	80.2	32.4	80.2	32.4	80.2	32.4	80.2		
Oats	1,522	379	1,312	292	1,941	252	4,291	156	4,291	156	4,291	156	4,291	156	4,291	156	4,291	156		
% of Total	3.0	0.8	2.0	0.4	4.2	0.5	5.4	0.2	5.4	0.2	5.4	0.2	5.4	0.2	5.4	0.2	5.4	0.2		
Selected Oats	-	250	-	160	-	700	-	-	-	-	-	-	-	-	-	-	-	-		
% of Total	-	0.4	-	0.3	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-		
Barley	6,794	4,081	10,822	6,875	7,639	3,935	10,617	5,553	10,617	5,553	10,617	5,553	10,617	5,553	10,617	5,553	10,617	5,553		
% of Total	13.5	8.2	16.2	10.3	16.3	8.4	13.3	7.0	13.3	7.0	13.3	7.0	13.3	7.0	13.3	7.0	13.3	7.0		
Selected Barley	1,850	1,850	-	5,100	-	4,050	-	1,800	-	1,800	-	1,800	-	1,800	-	1,800	-	1,800		
% of Total	-	3.7	-	7.7	-	8.6	-	2.3	-	2.3	-	2.3	-	2.3	-	2.3	-	2.3		
Rye	157	40	188	255	166	180	235	435	235	435	235	435	235	435	235	435	235	435		
% of Total	0.3	0.1	0.3	0.4	0.4	0.4	0.3	0.5	0.3	0.5	0.3	0.5	0.3	0.5	0.3	0.5	0.3	0.5		
Other Rye	-	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
% of Total	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Flaxseed	1,420	1,513	352	933	1,852	2,243	384	557	384	557	384	557	384	557	384	557	384	557		
% of Total	2.8	3.0	0.5	1.4	4.0	4.8	0.5	0.7	0.5	0.7	0.5	0.7	0.5	0.7	0.5	0.7	0.5	0.7		
Flaxseed for Crushing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
% of Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Low Erucic Acid Rape	540	400	633	613	1,000	940	2,550	2,516	2,550	2,516	2,550	2,516	2,550	2,516	2,550	2,516	2,550	2,516		
% of Total	1.1	0.8	0.9	0.9	2.1	2.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2		
Other Rapeseed	5,870	5,445	16,689	20,900	4,095	3,400	4,130	3,855	4,130	3,855	4,130	3,855	4,130	3,855	4,130	3,855	4,130	3,855		
% of Total	11.7	11.0	25.0	31.4	8.7	7.3	5.2	4.8	5.2	4.8	5.2	4.8	5.2	4.8	5.2	4.8	5.2	4.8		
Misc. Crops	395	-	185	-	137	-	415	137	415	137	415	137	415	137	415	137	415	137		
% of Total	0.8	-	0.3	-	0.3	-	0.5	-	0.5	-	0.5	-	0.5	-	0.5	-	0.5	-		
Summer Fallow	16,482	-	24,643	-	17,219	-	27,582	-	27,582	-	27,582	-	27,582	-	27,582	-	27,582	-		
% of Total	32.8	-	36.9	-	36.7	-	34.5	-	34.5	-	34.5	-	34.5	-	34.5	-	34.5	-		
Subtotal	47,038	49,712	63,239	66,565	45,962	46,835	76,414	79,747	76,414	79,747	76,414	79,747	76,414	79,747	76,414	79,747	76,414	79,747		
% of Total	93.7	100.0	94.7	100.0	98.1	100.0	95.6	100.0	95.6	100.0	95.6	100.0	95.6	100.0	95.6	100.0	95.6	100.0		
Perennial Forage	3,144	-	3,532	-	900	-	3,547	-	3,547	-	3,547	-	3,547	-	3,547	-	3,547	-		
% of Total	6.3	-	5.3	-	1.9	-	4.4	-	4.4	-	4.4	-	4.4	-	4.4	-	4.4	-		
TOTAL ACRES <sup>a</sup>	50,182	49,712	66,771	66,565	46,862	46,835	79,961	79,747	79,961	79,747	79,961	79,747	79,961	79,747	79,961	79,747	79,961	79,747		
% of Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

(continued)

See footnotes at end of table

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	Towns (concluded)			Greater Towns					
	70 Cudworth			71 Kinistino		72 Birch Hills		73 Wakaw	
	Seeded & Summer Acreage	Fallow Acres	Quota Acres	Seeded & Summer Acreage	Fallow Acres	Seeded & Summer Acreage	Fallow Acres	Seeded & Summer Acreage	Fallow Acres
Hercules Durum	10	-	1,940	598	1,940	352	323	-	242
% of Total	0.0	-	1.1	0.4	1.1	0.4	0.3	-	0.3
Other Durum	125	220	1,487	525	1,487	-	-	-	32
% of Total	0.2	0.3	0.9	0.3	0.9	-	-	-	0.0
All Other Wheat	23,952	65,243	87,433	25,557	87,433	15,519	49,410	20,613	53,194
% of Total	28.3	77.2	54.8	15.8	54.8	16.1	51.9	27.9	72.3
Oats	4,752	629	855	5,637	855	2,812	958	3,508	3,753
% of Total	5.6	0.8	0.6	3.5	0.6	2.9	1.0	4.7	0.5
Selected Oats	-	100	998	-	998	-	-	-	50
% of Total	-	0.1	0.6	-	0.6	-	-	-	0.1
Barley	14,765	7,249	20,321	28,813	20,321	24,531	22,123	7,349	11,636
% of Total	17.4	8.6	12.8	17.8	12.8	25.5	23.2	9.9	13.1
Selected Barley	-	1,850	5,350	-	5,350	-	2,550	-	850
% of Total	-	2.2	3.4	-	3.4	-	2.7	-	1.2
Rye	-	-	4,411	3,990	4,411	107	220	85	75
% of Total	-	-	2.8	2.5	2.8	0.1	0.2	0.1	0.1
Other Rye	-	-	-	-	-	-	-	-	-
% of Total	-	-	-	-	-	-	-	-	-
Flaxseed	40	110	2,277	1,236	2,277	272	909	135	503
% of Total	0.1	0.1	1.4	0.8	1.4	0.3	1.0	0.2	0.6
Flaxseed for Crushing	-	-	-	-	-	-	-	-	-
% of Total	-	-	-	-	-	-	-	-	-
Low Erucic Acid Rape	931	846	3,891	4,773	3,891	892	770	1,339	1,762
% of Total	1.1	1.0	2.5	2.9	2.5	0.9	0.8	1.8	2.0
Other Rapeseed	7,646	8,230	30,505	24,374	30,505	14,064	17,991	12,113	14,119
% of Total	9.0	9.7	19.1	15.1	19.1	14.6	18.9	16.4	15.9
Misc. Crops	940	-	-	486	-	733	-	1,467	1,263
% of Total	1.1	-	-	0.3	-	0.7	-	2.0	1.4
Summer Fallow	28,798	-	-	54,849	-	31,275	-	24,267	33,025
% of Total	34.0	-	-	33.9	-	32.5	-	32.8	37.3
Subtotal	81,959	84,477	159,468	150,838	159,468	90,557	95,254	70,876	85,804
% of Total	96.8	100.0	100.0	93.3	100.0	94.0	100.0	95.8	100.0
Perennial Forage	2,727	-	-	10,913	-	5,785	-	3,102	2,817
% of Total	3.2	-	-	6.7	-	6.0	-	4.2	3.2
TOTAL ACRES <sup>a</sup>	84,686	84,477	159,468	161,751	159,468	96,342	95,254	73,978	88,621
% of Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(continued)

See footnotes at end of table

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (concluded)

Greater Towns (concluded)								
	75 Melfort			Study Area Total		Sask. Total		
	Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Quota Acres	
Hercules Durum	138	124		3,874	5,159	622,939	590,476	
% of Total	0.1	0.1		0.1	0.2	1.3	1.3	
Other Durum	-	-		2,207	10,559	1,286,793	3,067,045	
% of Total	-	-		0.1	0.4	2.8	6.6	
All Other Wheat	14,109	46,368		596,143	1,809,607	11,722,928	30,679,714	
% of Total	12.9	42.5		20.3	62.0	25.0	66.3	
Oats	1,968	819		118,431	22,509	2,256,816	721,011	
% of Total	1.8	0.7		4.0	0.8	4.8	1.6	
Selected Oats	-	60		-	6,737	-	199,139	
% of Total	-	0.1		-	0.2	-	0.4	
Barley	21,449	16,003		479,244	319,117	5,911,806	4,516,871	
% of Total	19.6	14.7		16.3	10.9	12.6	9.7	
Selected Barley	-	8,000		-	115,275	-	1,687,420	
% of Total	-	7.3		-	4.0	-	3.6	
Rye	172	234		9,222	11,272	553,540	518,274	
% of Total	0.1	0.2		0.3	0.4	1.2	1.1	
Other Rye	-	-		-	295	-	41,442	
% of Total	-	-		-	0.0	-	0.1	
Flaxseed	477	779		13,290	21,547	943,274	999,292	
% of Total	0.4	0.7		0.5	0.7	2.0	2.2	
Flaxseed for Crushing	-	-		-	250	-	29,883	
% of Total	-	-		-	0.0	-	0.1	
Low Erucic Acid Rape	2,596	1,957		48,630	41,586	342,957	314,930	
% of Total	2.4	1.8		1.7	1.4	0.7	0.7	
Other Rapeseed	23,740	34,812		455,621	554,566	2,491,714	2,936,822	
% of Total	21.7	31.9		15.5	19.0	5.3	6.3	
Misc. Crops	89	-		21,891	-	329,088	-	
% of Total	0.1	-		0.8	-	0.7	-	
Summer Fallow	39,191	-		1,025,920	-	17,363,690	-	
% of Total	35.8	-		34.9	-	37.0	-	
Subtotal	103,929	109,156		2,774,473	2,918,479	43,825,545	46,302,319	
% of Total	94.9	100.0		94.5	100.0	93.4	100.0	
Perennial Forage	5,609	-		162,286	-	3,078,976	-	
% of Total	5.1	-		5.5	-	6.6	-	
TOTAL ACRES <sup>a</sup>	109,538	109,156		2,936,759	2,918,479	46,904,521	46,302,319	
% of Total	100.0	100.0		100.0	100.0	100.0	100.0	

<sup>a</sup>Total seeded and summer fallow acreage is total improved acreage.

Source: Canadian Wheat Board, Winnipeg.

Acres Devoted to Canadian Wheat Board Grains

An accepted division of crops separates wheat, durum wheat, oats and barley, the so-called Wheat Board grains, from other cereals and oilseeds. Tables 3.10A and 3.10B indicate the degree to which farmers in the hinterland of each delivery point rely on the Wheat Board to market their crops. These tables present a time series of Board grains in seeded acres for 1962-63 to 1970-71 and in quota acres for 1971-72. Percentages of seeded or quota acres to total specified or quota acres are also given.

From 1962-63 to 1969-70 the percentages of specified acres planted to Board grains were fairly uniform, the averages for the study area ranging from a low of 54.0 percent to a high of 61.6 percent (Table 3.10A).

As Table 3.10B shows, the acreage in Board grains for 1970-71 dropped to 34.4 percent of total acres, reflecting the reduced number of acres of cropland in the area that year. In 1971-72, however, the seeded acreages at individual delivery points jumped into the 70 to 80 percent range for the most part and their average was over 78 percent. These percentages are much higher than corresponding figures for any previous year. It will, though, be understood that the data for quota acres in Table 3.10B are not fully comparable with data on specified acres in Table 3.10A.



TABLE 3.10A NUMBER AND PERCENT OF SPECIFIED ACRES DEVOTED TO CANADIAN WHEAT BOARD GRAINS, 1962-63 TO 1969-70<sup>a</sup> (concluded)

Delivery Point	1962-63 <sup>b</sup>		1963-64		1964-65		1965-66		1966-67		1967-68		1968-69		1969-70	
	acres	%	acres	%	acres	%	acres	%	acres	%	acres	%	acres	%	acres	%
40 Beatty	36,637	59.6	36,633	62.8	34,600	59.0	33,311	61.9	31,874	61.5	36,080	60.4	39,057	62.7	28,584	51.1
41 Brooksby	21,955	57.4	21,475	56.7	22,654	59.3	21,819	58.1	23,270	58.4	23,428	59.4	23,058	58.5	22,241	48.6
42 Hoey	27,620	57.2	29,384	59.1	30,596	61.7	31,234	60.5	32,499	62.1	32,825	62.6	31,178	58.5	30,064	55.5
43 Pathlow	16,953	59.7	15,839	60.0	15,473	59.6	15,022	61.4	16,259	63.4	15,457	60.8	15,536	58.7	12,142	49.3
44 Elstow	16,374	52.7	17,697	56.9	19,866	61.6	20,872	63.4	20,911	66.4	22,048	66.3	21,190	64.0	14,364	55.8
45 Meskanaw	19,532	57.6	19,989	59.8	20,567	60.2	19,539	62.4	19,851	63.2	19,176	62.2	19,136	61.4	16,612	50.1
46 Pilger	22,475	57.7	22,887	58.9	24,092	60.3	22,567	57.5	22,821	61.3	22,789	60.4	23,468	60.1	19,898	56.5
47 Crystal Springs	11,303	54.3	12,267	54.8	11,488	53.8	11,700	56.0	12,138	55.4	10,137	51.4	10,562	53.9	8,939	47.5
48 Gronlid	28,802	51.9	30,287	52.7	29,320	51.5	27,777	50.8	27,363	50.8	27,960	51.3	30,345	55.0	22,323	47.2
49 Carmel	30,876	56.2	32,679	57.4	34,192	59.8	33,342	58.8	34,631	59.8	35,074	60.6	32,601	58.3	29,365	54.3
50 Weldon	37,765	59.6	37,584	58.9	37,666	59.9	36,824	59.8	37,697	60.1	39,103	58.1	41,481	61.0	33,435	52.7
51 Meacham	37,867	53.1	40,983	56.0	43,053	58.5	39,842	57.6	43,296	62.1	44,120	63.1	42,024	61.1	36,232	54.5
52 St. Benedict	21,571	57.6	21,716	58.4	23,520	61.2	24,055	61.5	24,664	62.6	23,618	61.0	23,652	60.7	21,043	54.2
53 Ridgedale	26,094	52.6	25,207	51.9	25,542	52.6	24,402	53.0	24,326	53.9	28,873	56.3	29,173	55.7	28,300	47.3
54 Prud'homme	41,599	59.2	42,731	62.3	44,269	63.1	43,062	62.5	45,176	65.3	45,753	66.1	45,178	64.7	41,341	57.7
55 Muenster	28,584	57.4	27,927	57.7	29,084	59.1	30,621	61.8	32,412	64.2	33,878	65.2	31,817	62.6	24,639	54.2
56 Alvena	35,955	61.6	40,092	63.9	39,998	63.2	41,258	62.8	42,821	64.9	42,498	65.1	40,514	60.5	37,426	58.9
57 Domremy	42,593	57.8	42,108	57.4	45,789	59.9	43,566	59.4	45,738	60.9	44,210	59.4	43,715	57.2	39,192	52.9
<i>Towns</i>																
58 Yellow Creek	17,603	58.6	17,583	60.7	17,043	58.5	17,137	56.7	19,918	56.2	19,676	53.8	21,643	56.3	18,516	50.1
59 St. Louis	18,605	53.4	18,685	53.1	19,320	53.3	19,243	53.8	18,610	51.5	19,365	52.8	20,440	55.4	18,585	49.9
60 Aberdeen	49,141	54.3	50,702	56.4	50,578	55.8	50,553	56.7	52,072	59.3	56,228	60.4	53,922	58.8	45,594	53.0
61 Middle Lake	18,915	55.6	19,440	55.3	19,863	56.9	20,262	57.0	22,059	58.6	22,596	58.8	22,835	58.7	23,348	56.9
62 Lake Lenore	57,333	61.3	60,979	64.1	63,528	65.5	64,647	67.5	65,500	67.6	65,964	66.6	63,656	63.8	56,601	54.8
63 St. Brieux	38,115	54.3	40,681	55.6	41,868	55.6	39,584	56.5	38,704	55.0	37,693	53.1	40,582	57.5	36,498	49.7
64 Vonda	35,934	57.9	39,285	60.4	39,053	60.8	38,505	62.0	42,667	64.9	44,894	65.7	46,051	63.9	37,303	57.5
65 Viscount	23,383	49.8	26,349	53.4	26,881	53.5	26,761	54.8	30,996	59.9	30,105	61.0	29,211	60.2	25,682	52.4
66 Star City	34,242	56.1	34,142	56.7	34,390	56.8	34,569	57.4	34,288	57.4	35,987	57.5	37,767	60.9	29,575	49.6
67 Colonsay	18,732	49.3	22,108	54.8	23,630	56.7	22,284	55.5	25,263	62.6	26,057	65.4	23,392	60.6	23,933	54.7
68 Bruno	42,363	54.9	42,853	56.1	46,153	60.1	46,441	61.2	49,920	64.4	49,482	64.5	47,796	62.0	47,470	58.9
69 Naicam	46,033	56.6	49,173	58.9	53,307	60.8	53,729	60.9	53,723	60.0	56,613	61.2	55,992	58.8	52,481	54.9
70 Cudworth	41,707	60.7	43,318	61.0	44,819	62.8	45,054	63.2	48,377	67.1	49,874	67.3	52,012	67.4	46,452	60.4
<i>Greater Towns</i>																
71 Kinistino	60,195	60.5	62,065	61.2	62,041	61.9	59,800	60.0	62,891	61.0	64,683	61.1	65,064	61.4	53,978	53.4
72 Birch Hills	42,739	60.5	45,025	60.3	46,645	62.5	49,211	64.2	49,105	63.0	50,213	62.3	50,655	62.1	44,124	55.5
73 Wakaw	33,520	59.8	35,057	60.4	37,773	63.1	37,495	63.1	38,799	64.2	37,149	62.5	39,668	60.8	37,469	58.2
74 Humboldt	28,379	56.6	30,219	58.1	32,640	63.2	33,421	62.8	36,389	65.2	38,606	66.8	38,032	64.3	47,723	57.2
75 Melfort	21,178	56.8	21,288	58.8	21,714	58.1	20,622	61.2	19,767	62.4	25,764	65.9	31,066	61.2	33,269	49.7
Study Area Total	1,552,830	57.2	1,605,772	58.7	1,637,388	59.4	1,636,449	60.1	1,687,393	61.6	1,702,125	61.5	1,689,291	60.7	1,478,901	54.0

\*Storage only.

n.a. - Not available.

<sup>a</sup>Board grains are wheat, durum, oats and barley.

<sup>b</sup>Durum wheat is excluded from Board grains in 1962-63.

Source: Canadian Wheat Board, Winnipeg.

TABLE 3.10B NUMBER AND PERCENT OF QUOTA ACRES DEVOTED TO CANADIAN WHEAT BOARD GRAINS, 1970-71 AND 1971-72

Delivery Point	1970-71 <sup>a</sup>		1971-72 <sup>b</sup>	
	Seeded Acres <sup>c</sup>	Percent <sup>d</sup>	Assigned Quota Acres <sup>e</sup>	% of Total Quota Acres
<i>Too Small to Classify</i>				
1 Burton Lake	Closed			
2 Clarkboro	Closed			
3 Rak	Closed			
4 Irvington	Closed			
5 Thaxted	Closed			
6 Waitville	Closed			
7 Mileage 102.2	3,219	37.4	7,432	61.1
8 Tiger Hills	Closed			
9 Rutan	2,716	21.4	11,899	81.7
10 Claggett	Closed			
11 Leofnard	Closed			
12 Totzke	3,996	36.5	11,042	96.8
13 Clemens	40	11.0	Closed	
14 Lepine	6,650	38.1	14,831	79.2
15 Carpenter	Closed			
16 Fenton	Closed			
17 Bremen	12,837	42.6	29,471	91.8
18 Dixon	6,593	32.3	14,758	76.6
<i>Hamlets</i>				
19 Daylesford	2,749	27.8	4,342	79.5
20 Ens	4,232	25.4	15,040	80.2
21 Lenvale	4,917	35.2	8,852	67.9
22 Naisberry	3,474	28.6	9,985	67.5
23 Whittome	5,632	36.9	13,619	61.2
24 Silver Park	Closed			
25 Resource	4,011	37.4	10,723	65.9
26 Tarnopol	Closed			
27 Lipsett	5,038	31.9	15,908	65.8
28 Peterson	8,613	31.3	27,044	89.9
29 Moseley	12,049	37.0	30,326	81.6
30 Reynaud	4,159	34.1	7,054	66.8
31 Brancepeth	12,313	40.1	27,282	76.6
32 Hagen	8,448	38.7	22,736	82.6
33 Smuts	4,162	34.3	Closed	
34 Fairy Glen	6,300	28.4	18,403	65.2
<i>Villages</i>				
35 Ethelton	8,179	36.4	24,893	69.1
36 Lac Vert	11,942	35.4	31,120	76.8

See footnotes at end of table.

(continued)

TABLE 3.10B NUMBER AND PERCENT OF QUOTA ACRES DEVOTED TO CANADIAN WHEAT BOARD GRAINS, 1970-71 AND 1971-72 (continued)

Delivery Point	1970-71 <sup>a</sup>		1971-72 <sup>b</sup>	
	Seeded Acres <sup>c</sup>	Percent <sup>d</sup>	Assigned Quota Acres <sup>e</sup>	% of Total Quota Acres
37 Fulda	14,115	34.2	41,739	81.6
38 Tway	4,882	34.4	14,427	77.3
39 Pleasantdale	9,596	32.6	23,453	75.4
40 Beatty	15,720	32.9	41,435	57.9
41 Brooksby	10,604	29.0	31,874	69.1
42 Hoey	15,075	37.6	31,700	79.4
43 Pathlow	7,492	35.5	19,564	68.9
44 Elstow	3,210	19.7	12,309	78.7
45 Meskanaw	10,459	39.7	21,184	73.5
46 Pilger	9,412	36.6	24,016	87.8
47 Crystal Springs	5,769	35.4	14,043	88.7
48 Gronlid	13,997	33.2	39,029	73.2
49 Carmel	16,668	34.4	46,072	87.5
50 Weldon	21,860	39.8	46,315	65.3
51 Meacham	20,738	33.4	58,182	87.8
52 St. Benedict	12,675	36.7	35,666	79.2
53 Ridgedale	13,250	27.0	45,682	69.8
54. Prud'homme	26,113	38.0	66,294	90.1
55 Muenster	13,047	33.0	42,855	86.2
56 Alvena	21,478	35.5	54,583	84.0
57 Domremy	23,288	33.3	66,063	79.7
<i>Towns</i>				
58 Yellow Creek	9,266	31.3	26,165	66.1
59 St. Louis	13,050	31.5	36,331	78.0
60 Aberdeen	30,933	38.3	85,219	90.0
61 Middle Lake	15,126	36.5	39,997	88.5
62 Lake Lenore	33,469	35.7	94,932	80.3
63 St. Brieux	22,395	33.5	64,311	76.9
64 Vonda	22,887	38.0	63,460	90.1
65 Viscount	8,852	19.6	42,189	84.9
66 Star City	15,212	30.1	43,864	65.9
67 Colonsay	10,501	26.1	40,072	85.6
68 Bruno	28,287	37.2	72,384	90.8
69 Naicam	24,867	31.8	76,322	77.2
70 Cudworth	32,324	42.3	75,291	89.1
<i>Greater Towns</i>				
71 Kinistino	35,046	38.6	118,384	74.2
72 Birch Hills	30,859	39.2	75,364	79.1

See footnotes at end of table.

(continued)

TABLE 3.10B NUMBER AND PERCENT OF QUOTA ACRES DEVOTED TO CANADIAN WHEAT BOARD GRAINS, 1970-71 AND 1971-72 (concluded)

Delivery Point	1970-71 <sup>a</sup>		1971-72 <sup>b</sup>	
	Seeded Acres <sup>c</sup>	Percent <sup>d</sup>	Assigned Quota Acres <sup>e</sup>	% of Total Quota Acres
73 Wakaw	17,979	28.8	59,275	80.6
74 Humboldt	22,930	32.4	70,784	80.2
75 Melfort	22,360	31.7	71,374	65.4
Study Area Total	828,060	34.4	2,288,963	78.4

<sup>a</sup>Calculated from Table 2.7.

<sup>b</sup>Calculated from Table 3.9.

<sup>c</sup>Acres seeded to CWB grains of wheat, durum wheat, oats and barley.

<sup>d</sup>CWB grains acreage as a percent of total acres devoted to CWB grains plus rye, summerfallow and forage crops (i.e., same composition as "specified acres" in previous years).

<sup>e</sup>Quota acres assigned to CWB grains of wheat, durum, oats and barley.

### Quotas Required to Fill Elevator Storage Capacity

Table 3.11 covers the relationship between elevator storage capacity and quota acres for the 1969-70 and 1971-72 crop years. For 1969-70 the quota acreage is simply the specified acreage; for 1971-72 the quota acreage is the assigned acreage as explained in the commentary accompanying Table 3.8. At any delivery point the ratio of bushel capacity to quota acres represents the number of quotas in bushels per acre that would be required to fill the storage capacity if it was empty. As quota acres increase relative to storage capacity, there is a corresponding decrease in the number of quotas needed to fill the storage and vice versa. The lower the ratio is, the greater the demand becomes for space at a delivery point.

There does not appear to be any correlation between size of community and ratio nor any significant change in the ratio between 1969-70 and 1971-72. The one exception is Daylesford which had an increase from 8.3 to 20.8 because there was a large drop in the number of permits issued there.

In 1969-70 the ratio varied from a low of 2.9 at Rutan to a high of 16.6 at Clemens. The average number of general quotas required to fill capacity in the study area was 5.7 in 1969-70. The median number was 6.0 in 1969-70 and 5.1 in 1971-72. Thus, assuming zero inventory and no outward shipments, about half of the delivery points could accommodate a 6 bushel general quota in 1969-70 and about half could not. For example, Rutan would be able to hold only about half of a 6 bushel quota. To the extent that the Wheat Board seeks to equalize quota levels among producers, delivery points with a low capacity-to-quota acres ratio will, correspondingly, maintain a higher throughput ratio<sup>1</sup> than those points with a high capacity-to-quota acres ratio.

Table 3.11 also gives the approximate number of boxcars required at each delivery point to transport a 1 bushel quota. Since the number of boxcars needed to move a 1 bushel quota depends directly on the number of quota acres, which are usually proportionate to the size of community, it generally follows that the required number of boxcars increases with the size of the delivery point. In 1969-70 the range was from 2 boxcars at Tiger Hills to 52 boxcars at Lake Lenore. Altogether 1,371 boxcars were needed to move a general 1 bushel quota from the study area.

Assuming that the supply of boxcars at any point in time is limited, it may be said that a point like Fulda is disadvantaged relative to a point like Ethelton. Fulda requires 23 boxcars to move a 1 bushel quota and can store only 6.5 bushel quotas, whereas Ethelton requires only 15 boxcars to move a 1 bushel quota and can store 8.7 bushel quotas.

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<sup>1</sup>The throughput ratio is the total bushel receipts of a delivery point in one year divided by the total bushel storage capacity. See Table 3.7.

TABLE 3.11 ELEVATOR CAPACITY VERSUS QUOTA ACRES AND NUMBER OF BOXCARS REQUIRED TO MOVE ONE BUSHEL PER QUOTA ACRE BY DELIVERY POINT

Delivery Point	Elevator Bushel Capacity Aug. 1/69	Quota Acres 1969-70 <sup>a</sup>	Ratio of Bushel Capacity to Quota Acres 1969-70	No. of Boxcars to Move One Bushel Per Quota Acre 1969-70 <sup>b</sup>	Ratio of Bushel Capacity to Quota Acres 1971-72
<i>Too Small to Classify</i>					
1 Burton Lake	Closed				
2 Clarkboro	Closed				
3 Rak	28,000	*			Closed
4 Irvington	42,400	*			Closed
5 Thaxted	74,000	*			Closed
6 Waitville	Closed				
7 Mileage 102.2	69,000	10,078	6.8	5	5.7
8 Tiger Hills	61,000	3,796	16.1	2	Closed
9 Rutan	51,000	17,797	2.9	9	3.5
10 Claggett	48,500	4,819	10.1	3	Closed
11 Leofnard	54,000	8,852	6.1	5	Closed
12 Totzke	30,000	12,674	4.7	7	2.6
13 Clemens	154,000	9,295	16.6	5	Closed
14 Lepine	90,000	19,790	4.5	10	4.8
15 Carpenter	53,000	10,564	5.0	6	Closed
16 Fenton	62,300	8,594	7.2	5	Closed
17 Bremen	111,000	30,424	3.6	16	3.4
18 Dixon	104,000	23,763	4.4	12	5.4
<i>Hamlets</i>					
19 Daylesford	113,700	13,655	8.3	7	20.8
20 Ens	138,200	18,563	7.4	10	7.4
21 Lenvale	154,800	18,702	8.3	10	11.9
22 Naisberry	129,000	15,381	8.4	8	8.7
23 Whittome	131,100	16,994	7.7	9	5.9
24 Silver Park	52,000	9,399	5.5	5	Closed
25 Resource	87,000	12,725	6.8	7	5.4
26 Tarnopol	Closed				
27 Lipsett	156,000	20,676	7.5	11	6.5
28 Peterson	98,200	30,309	3.2	16	3.3
29 Moseley	279,700	36,294	7.7	19	7.5
30 Reynaud	138,000	14,300	9.7	8	9.6
31 Brancepeth	187,500	33,727	5.6	17	5.3
32 Hagen	188,000	21,910	8.6	11	6.8
33 Smuts	70,000	12,125	5.8	7	Closed
34 Fairy Glen	244,000	26,229	9.3	14	7.8
<i>Villages</i>					
35 Ethelton	252,000	29,042	8.7	15	6.3
36 Lac Vert	249,400	37,981	6.6	19	6.2
37 Fulda	297,000	45,633	6.5	23	5.8
38 Tway	53,000	15,030	3.5	8	2.8
39 Pleasantdale	151,000	31,012	4.9	16	4.1
40 Beatty	484,500	55,931	8.7	28	6.8
41 Brooksby	319,900	45,740	7.0	23	6.9
42 Hoey	314,700	54,182	5.9	28	7.8

See footnotes at end of table

(continued)

TABLE 3.11 ELEVATOR CAPACITY VERSUS QUOTA ACRES AND NUMBER OF BOXCARS REQUIRED TO MOVE ONE BUSHEL PER QUOTA ACRE BY DELIVERY POINT

Delivery Point	Elevator Bushel Capacity Aug. 1/69	Quota Acres 1969-70 <sup>a</sup>	Ratio of Bushel Capacity to Quota Acres 1969-70	No. of Boxcars to Move One Bushel Per Quota Acre 1969-70 <sup>b</sup>	Ratio of Bushel Capacity to Quota Acres 1971-72
43 Pathlow	207,600	24,613	8.4	13	6.4
44 Elstow	137,000	25,733	5.3	13	8.8
45 Meskanaw	189,000	31,883	6.0	16	6.6
46 Pilger	185,000	35,192	5.3	18	6.8
47 Crystal Springs	56,000	18,812	3.1	10	3.5
48 Gronlid	291,000	47,251	6.2	24	5.0
49 Carmel	217,300	54,066	4.0	27	4.1
50 Weldon	337,500	63,434	5.3	32	4.5
51 Meacham	251,600	66,474	3.8	34	3.8
52 St. Benedict	223,400	38,805	5.8	20	5.0
53 Ridgedale	335,300	59,852	5.6	30	4.8
54 Prud'homme	335,400	71,625	4.7	36	4.6
55 Muenster	210,000	45,486	4.6	23	4.2
56 Alvena	224,000	63,525	3.5	32	3.4
57 Domremy	463,600	74,128	6.3	38	5.6
<i>Towns</i>					
58 Yellow Creek	127,000	36,936	3.4	19	3.2
59 St. Louis	193,000	37,257	5.2	19	3.8
60 Aberdeen	366,000	86,105	4.3	44	3.9
61 Middle Lake	227,500	41,065	5.5	21	5.0
62 Lake Lenore	718,600	103,317	7.0	52	6.1
63 St. Brieux	395,000	73,469	5.4	37	4.7
64 Vonda	247,000	64,838	3.8	33	3.5
65 Viscount	368,000	49,024	7.5	25	6.8
66 Star City	421,000	59,670	7.1	30	6.3
67 Colonsay	157,900	43,755	3.7	22	3.4
68 Bruno	345,100	80,633	4.3	41	4.0
69 Naicam	686,700	95,547	7.2	48	6.9
70 Cudworth	356,500	76,892	4.6	39	4.7
<i>Greater Towns</i>					
71 Kinistino	671,000	100,990	6.6	51	4.2
72 Birch Hills	380,300	79,518	4.8	40	4.0
73 Wakaw	389,500	64,340	6.1	33	5.3
74 Humboldt	250,000	83,455	3.0	42	2.8
75 Melfort	407,000	66,945	6.1	34	3.7
Study Area Total	15,691,700	2,740,623	5.7	1,371	5.1

\*Storage only.

<sup>a</sup>Same as specified acres, Table 2.6.

<sup>b</sup>Assume 2,000 bushels per boxcar.

Number of Boxcars Per Shunt That Can Be Loaded

The number of boxcars that an elevator operator can load as a group is limited by the length of rail siding and by the location of the elevator on the siding. Though a siding may accommodate up to 20 boxcars, perhaps only 5 or 6 of them can be loaded and ready for a train to collect at one call. How many boxcars can be loaded per shunt is determined by the number of car lengths between the loading spout of one elevator and the loading spout of a neighboring elevator that belongs to another company. The distance to the ends of the siding is also important.

Data for each delivery point and each elevator company are given in Table 3.12. Usually the number of boxcars per delivery point increases with the size of the community, but considerable variation exists. The range in the number of boxcars per shunt is from 4 at Irvington to 35 at Cudworth.

In a comparison of elevator capabilities at Moseley and Ens (Tables 3.11 and 3.12), Moseley requires 19 boxcars to move a 1 bushel quota but can load only 15 boxcars per shunt while Ens needs 10 boxcars to move a 1 bushel quota and can load 20 boxcars per shunt. Thus Ens has a clear advantage over Moseley.

TABLE 3.12 MAXIMUM NUMBER OF BOXCARS PER SHUNT THAT CAN BE LOADED BY  
DELIVERY POINT AND ELEVATOR COMPANY, 1969-70

Delivery Point	Number of Boxcars per Point	Elevator Company	Number of Boxcars per Elevator Co.
<i>Too Small to Classify</i>			
1 Burton Lake		Closed	
2 Clarkboro		Closed	
3 Rak	6	C.N. Saskatchewan Wheat Pool	6
4 Irvington	4	C.N. Federal Grain Ltd.	4
5 Thaxted	5	C.P. Federal Grain Ltd.	2
		Saskatchewan Wheat Pool	3
6 Waitville		Closed	
7 Mileage 102.2	7	C.N. Saskatchewan Wheat Pool	7
8 Tiger Hills	10	C.P. Saskatchewan Wheat Pool	10
9 Rutan	15	C.N. Saskatchewan Wheat Pool	15
10 Claggett	8	C.N. Saskatchewan Wheat Pool	8
11 Leofnard	20	C.N. Saskatchewan Wheat Pool	20
12 Totzke	20	C.N. Saskatchewan Wheat Pool	20
13 Clemens	14	C.P. National Grain Co. Ltd.	14
14 Lepine	10	C.N. Saskatchewan Wheat Pool	5
		United Grain Growers Ltd.	5
15 Carpenter	10	C.N. Federal Grain Ltd.	10
16 Fenton	10	C.N. Saskatchewan Wheat Pool	10
17 Bremen	16	C.N. Pioneer Grain Co. Ltd.	4
		Saskatchewan Wheat Pool	12
18 Dixon	9	C.N. Federal Grain Ltd.	4
		Saskatchewan Wheat Pool	5
<i>Hamlets</i>			
19 Daylesford	9	C.N. Federal Grain Ltd.	5
		Saskatchewan Wheat Pool	4
20 Ens	20	C.N. Federal Grain Ltd.	20
21 Lenvale	8	C.P. Pioneer Grain Ltd.	4
		Saskatchewan Wheat Pool	4
22 Naisberry	8	C.N. National Grain Co. Ltd.	4
		Saskatchewan Wheat Pool	4
23 Whittome	14	C.N. Federal Grain Ltd.	10
		Saskatchewan Wheat Pool	4
24 Silver Park	8	C.P. Saskatchewan Wheat Pool	8
25 Resource	8	C.P. National Grain Co. Ltd.	4
		Saskatchewan Wheat Pool	4
26 Tarnopol		Closed	
27 Lipsett	17	C.N. Federal Grain Ltd.	10
		Saskatchewan Wheat Pool	7
28 Peterson	14	C.N. National Grain Co. Ltd.	7
		Saskatchewan Wheat Pool	7

(continued)

TABLE 3.12 MAXIMUM NUMBER OF BOXCARS PER SHUNT THAT CAN BE LOADED BY  
DELIVERY POINT AND ELEVATOR COMPANY, 1969-70 (continued)

Delivery Point	Number of Boxcars per Point		Elevator Company	Number of Boxcars per Elevator Co.
29 Moseley	15	C.N.	Federal Grain Ltd.	9
			Saskatchewan Wheat Pool	6
30 Reynaud	12	C.N.	Federal Grain Ltd.	6
			Saskatchewan Wheat Pool	6
31 Brancepeth	7	C.N.	National Grain Co. Ltd.	4
			Saskatchewan Wheat Pool	3
32 Hagen	17	C.P.	Saskatchewan Wheat Pool	7
			United Grain Growers Ltd.	10
33 Smuts	18	C.N.	Saskatchewan Wheat Pool	18
34 Fairy Glen	12	C.P.	Federal Grain Ltd.	8
			Saskatchewan Wheat Pool	4
<i>Villages</i>				
35 Ethelton	15	C.N.	National Grain Co. Ltd.	4
			Saskatchewan Wheat Pool	6
			United Grain Growers Ltd.	5
36 Lac Vert	16	C.P.	Pioneer Grain Ltd.	8
			Saskatchewan Wheat Pool	8
37 Fulda	13	C.P.	Federal Grain Ltd.	2
			Saskatchewan Wheat Pool	3
			United Grain Growers Ltd.	8
38 Tway	10	C.P.	United Grain Growers Ltd.	10
39 Pleasantdale	12	C.P.	Saskatchewan Wheat Pool	12
40 Beatty	15	C.N.	Federal Grain Ltd.	7
			National Grain Co. Ltd.	3
			Saskatchewan Wheat Pool	5
41 Brooksby	16	C.N.	Pioneer Grain Ltd.	12
			Saskatchewan Wheat Pool	4
42 Hoey	22	C.N.	Federal Grain Ltd.	16
			Saskatchewan Wheat Pool	6
43 Pathlow	21	C.N.	National Grain Co. Ltd.	12
			Pioneer Grain Ltd.	5
			Saskatchewan Wheat Pool	4
44 Elstow	12	C.P.	Federal Grain Ltd.	8
			Saskatchewan Wheat Pool	4
45 Meskanaw	18	C.N.	Saskatchewan Wheat Pool	4
			United Grain Growers Ltd.	14
46 Pilger	6	C.P.	Saskatchewan Wheat Pool	3
			United Grain Growers Ltd.	3
47 Crystal Springs	10	C.P.	Saskatchewan Wheat Pool	10
48 Gronlid	12	C.P.	Federal Grain Ltd.	8
			Saskatchewan Wheat Pool	4

(continued)

TABLE 3.12 MAXIMUM NUMBER OF BOXCARS PER SHUNT THAT CAN BE LOADED BY  
DELIVERY POINT AND ELEVATOR COMPANY, 1969-70 (continued)

Delivery Point	Number of Boxcars per Point		Elevator Company	Number of Boxcars per Elevator Co.
49 Carmel	16	C.N.	Federal Grain Ltd.	6
			Saskatchewan Wheat Pool	5
			United Grain Growers Ltd.	5
50 Weldon	17	C.N.	Federal Grain Ltd.	3
			National Grain Co. Ltd.	7
			Saskatchewan Wheat Pool	7
51 Meacham	13	C.N.	Federal Grain Ltd.	4
			National Grain Co. Ltd.	5
			Saskatchewan Wheat Pool	4
52 St. Benedict	12	C.P.	Pioneer Grain Ltd.	4
			Saskatchewan Wheat Pool	4
			United Grain Growers Ltd.	4
53 Ridgedale	26	C.N.	Federal Grain Ltd.	20
			Saskatchewan Wheat Pool	6
54 Prud'homme	19	C.N.	National Grain Co. Ltd.	3
			Saskatchewan Wheat Pool	5
			United Grain Growers Ltd.	11
55 Muenster	8	C.N.	Federal Grain Ltd.	4
			Saskatchewan Wheat Pool	4
56 Alvena	13	C.N.	Federal Grain Ltd.	4
			Saskatchewan Wheat Pool	5
			United Grain Growers Ltd.	4
57 Domremy	28	C.N.	Federal Grain Ltd.	14
			National Grain Co. Ltd.	4
			Pioneer Grain Ltd.	6
			Saskatchewan Wheat Pool	4
<i>Towns</i>				
58 Yellow Creek	10	C.N.	Federal Grain Ltd.	5
			Saskatchewan Wheat Pool	5
59 St. Louis	6	C.N.	Federal Grain Ltd.	3
			Saskatchewan Wheat Pool	3
60 Aberdeen	24	C.N.	National Grain Co. Ltd.	5
			Pioneer Grain Ltd.	7
			Saskatchewan Wheat Pool	6
			United Grain Growers Ltd.	6
61 Middle Lake	12	C.P.	Federal Grain Ltd.	6
			Saskatchewan Wheat Pool	6
62 Lake Lenore	26	C.N.	Federal Grain Ltd.	8
			Pioneer Grain Ltd.	4
			Saskatchewan Wheat Pool	8
			United Grain Growers Ltd.	6

(continued)

TABLE 3.12 MAXIMUM NUMBER OF BOXCARS PER SHUNT THAT CAN BE LOADED BY  
DELIVERY POINT AND ELEVATOR COMPANY, 1969-70 (concluded)

Delivery Point	Number of Boxcars per Point		Elevator Company	Number of Boxcars per Elevator Co.
63 St. Brieux	18	C.N.	Federal Grain Ltd.	9
			Saskatchewan Wheat Pool	5
			United Grain Growers Ltd.	4
64 Vonda	16	C.N.	National Grain Co. Ltd.	4
			Parrish & Heimbecker	4
			Saskatchewan Wheat Pool	4
			United Grain Growers Ltd.	4
65 Viscount	17	C.P.	Pioneer Grain Ltd.	10
			Saskatchewan Wheat Pool	7
66 Star City	25	C.N.	Federal Grain Ltd.	5
			National Grain Co. Ltd.	11
			Saskatchewan Wheat Pool	9
67 Colonsay	8	C.P.	Saskatchewan Wheat Pool	4
			United Grain Growers Ltd.	4
68 Bruno	21	C.N.	Federal Grain Ltd.	11
			Saskatchewan Wheat Pool	5
			United Grain Growers Ltd.	5
69 Naicam	21	C.P.	Federal Grain Ltd.	5
			Saskatchewan Wheat Pool	8
			United Grain Growers Ltd.	8
70 Cudworth	35	C.N.	Federal Grain Ltd.	15
			National Grain Co. Ltd.	11
			Saskatchewan Wheat Pool	9
<i>Greater Towns</i>				
71 Kinistino	21	C.N.	Federal Grain Ltd.	3
			National Grain Co. Ltd.	4
			Saskatchewan Wheat Pool	8
			United Grain Growers Ltd.	6
72 Birch Hills	13	C.N.	National Grain Co. Ltd.	5
			Saskatchewan Wheat Pool	4
			United Grain Growers Ltd.	4
73 Wakaw	20	C.N.	National Grain Co. Ltd.	4
			Pioneer Grain Ltd.	6
			Saskatchewan Wheat Pool	6
			United Grain Growers Ltd.	4
74 Humboldt	14	C.N.	Federal Grain Ltd.	8
			Saskatchewan Wheat Pool	6
75 Melfort	28	C.P.	Federal Grain Ltd.	8
			National Grain Co. Ltd.	9
		C.N.	Saskatchewan Wheat Pool	11

Source: Canadian Wheat Board, Winnipeg.

### Block Loading System for Grain

A new system of issuing orders and allocating boxcars came into effect at the beginning of the 1969-70 crop year. It is called the Canadian Wheat Board Block Loading System. The blocks consist of grain delivery points located in specified groups of contiguous railway subdivisions, the points of one railway company being kept separate from those of the other railway company. The original block configuration was revised prior to the 1971-72 crop year.

Improved communication between the Board and the elevator operators keeps the Wheat Board up-to-date on the kinds, grades and quantities of grain available at delivery points in each block and, accordingly, it issues shipping orders to the appropriate elevator companies. These firms then allocate boxcars to elevators in the block for loading the particular grains that the Board desires to have in forward positions.

Table 3.13 groups the delivery points of the study area within their respective loading blocks. The names of the railway subdivisions and the number of boxcars that can be loaded at one time at each point are also given.

TABLE 3.13 BLOCK LOADING SYSTEM FOR GRAIN IN THE STUDY AREA, 1971-72

Shipping Block & Delivery Points	Railway Subdivision	Number of Boxcars Per Point
<i>Kamsack Block No. 15 (C.N.)</i>		
55 Muenster	Margo	8
<i>Saskatoon North Block No. 23 (C.N.)</i>		
2 Clarkboro	Aberdeen	Closed
4 Irvington	Brooksby	Closed
18 Dixon	Aberdeen	9
49 Carmel	Aberdeen	16
54 Prud'homme	Aberdeen	19
60 Aberdeen	Aberdeen	24
64 Vonda	Aberdeen	16
68 Bruno	Aberdeen	21
74 Humboldt	Aberdeen	14
<i>Prince Albert East Block No. 25 (C.N.)</i>		
7 Mileage 102.2	Tisdale	7
16 Fenton	Tisdale	10
22 Naisberry	Tisdale	8
31 Brancepeth	Tisdale	7
40 Beatty	Tisdale	15
50 Weldon	Tisdale	17
66 Star City	Tisdale	25
71 Kinistino	Tisdale	21
72 Birch Hills	Tisdale	13
75 Melfort	Tisdale	11
<i>Prince Albert South Block No. 27 (C.N.)</i>		
3 Rak	Meskanaw	Closed
9 Rutan	Cudworth	15
10 Claggett	Meskanaw	Closed
11 Leofnard	Cudworth	Closed
12 Totzke	Aberdeen	20
14 Lepine	Meskanaw	10
15 Carpenter	Meskanaw	10
17 Bremen	Cudworth	16
19 Daylesford	St. Brieux	9
20 Ens	Cudworth	20
23 Whittome	Brooksby	14
26 Tarnopol	Meskanaw	Closed
27 Lipsett	St. Brieux	17
28 Peterson	Cudworth	14
29 Moseley	St. Brieux	15
30 Reynaud	Meskanaw	12
33 Smuts	Meskanaw	18

(continued)

TABLE 3.13 BLOCK LOADING SYSTEM FOR GRAIN IN THE STUDY AREA, 1971-72  
(concluded)

Shipping Block & Delivery Points	Railway Subdivision	Number of Boxcars Per Point
35 Ethelton	Meskanaw	15
41 Brooksby	Brooksby	16
42 Hoey	Cudworth	22
43 Pathlow	St. Brieux	21
45 Meskanaw	Meskanaw	18
51 Meacham	Cudworth	13
53 Ridgedale	Brooksby	26
56 Alvena	Meskanaw	13
57 Domremy	Cudworth	28
58 Yellow Creek	Meskanaw	10
59 St. Louis	Cudworth	6
62 Lake Lenore	St. Brieux	26
63 St. Brieux	St. Brieux	18
70 Cudworth	Cudworth	35
73 Wakaw	Cudworth	20
<i>Saskatoon Block No. 75 (C.P.)</i>		
1 Burton Lake	Prince Albert	Closed
5 Thaxted	Melfort	Closed
6 Waitville	Prince Albert	Closed
8 Tiger Hills	Prince Albert	Closed
13 Clemens	Melfort	14
21 Lenvale	Melfort	8
24 Silver Park	Melfort	Closed
25 Resource	Melfort	8
32 Hagen	Prince Albert	17
34 Fairy Glen	Melfort	12
36 Lac Vert	Melfort	16
37 Fulda	Prince Albert	13
38 Tway	Prince Albert	10
39 Pleasantdale	Melfort	12
44 Elstow	Sutherland	12
46 Pilger	Prince Albert	6
47 Crystal Springs	Prince Albert	10
48 Gronlid	Melfort	12
52 St. Benedict	Prince Albert	12
61 Middle Lake	Prince Albert	12
65 Viscount	Sutherland	17
67 Colonsay	Sutherland	8
69 Naicam	Melfort	21
75 Melfort	Melfort	17

Source: Canadian Grain Commission, Winnipeg.

### Farm Trucks

Table 3.14 presents information on the number, size and age of farm trucks registered in the Melfort-Wakaw study region. Although it is difficult to translate gross vehicle weights into tonnage, trucks in the 0-6,000 pound group would represent 1/2-ton trucks and trucks at the upper end of the scale, approximately 21,000 pounds and over, would represent 3-ton and 4-ton trucks.

A total of 8,012 trucks were matched with 5,143 Wheat Board permit holders in the study area.<sup>1</sup> Over half, 54.2 percent, of all trucks were in the three smallest size-groups. The average size-group was 11,000-13,000 pounds. Some 55.0 percent of the trucks were over 10 years old as they were made prior to 1960. The Canadian Transport Commission estimated that truck ownership was as follows:

<u>No. of Permit Holders</u>	<u>No. of Trucks Owned</u>
2,951	1
1,790	2
322	3
68	4
12	5 or more

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<sup>1</sup>This accounts for 75.7 percent of the 6,795 permits issued in 1970-71, Table 3.2.

TABLE 3.14 ESTIMATED NUMBER OF FARM TRUCKS BY SIZE AND MODEL YEAR IN THE STUDY AREA, 1970<sup>a</sup>

Size of Truck (Gross Vehicle Weight.)	Model Year																				
	Up to 1945	1946 to 1947	1948 to 1949	1950 to 1951	1952 to 1953	1954 to 1955	1956 to 1957	1958 to 1959	1959 to 1960	1960 to 1961	1961 to 1962	1962 to 1963	1963 to 1964	1964 to 1965	1965 to 1966	1966 to 1967	1967 to 1968	1968 to 1969	1969 to 1970	Total	Percent
	- number of trucks -																				
0 - 6,000	24	22	32	99	130	49	85	39	54	48	36	46	58	77	89	108	126	93	108	1,323	16.5
6,001 - 9,000	7	26	66	162	170	57	74	53	74	78	62	70	95	158	184	237	234	184	207	2,198	27.4
9,001 - 11,000	11	37	134	222	179	42	34	18	20	17	7	7	17	16	16	11	15	12	14	829	10.3
11,001 - 13,000	12	39	207	297	279	46	39	22	35	34	17	17	29	20	22	15	8	5	5	1,148	14.3
13,001 - 15,000	11	17	29	42	52	15	12	2	4	7	3	6	5	9	10	12	1	2	6	245	3.1
15,001 - 17,000	6	15	15	24	24	4	2	4	2	13	7	5	10	16	24	18	10	5	5	209	2.6
17,001 - 19,000	15	31	32	37	51	17	5	14	7	4	8	4	9	8	7	17	11	5	5	287	3.6
19,001 - 21,000	32	63	64	57	92	34	26	14	12	14	7	8	16	17	16	19	7	4	2	504	6.3
21,001 - 23,000	5	16	18	17	22	7	10	4	2	6	0	2	5	3	5	3	4	2	3	134	1.7
23,001 - 25,000	16	27	45	37	64	19	20	6	10	12	12	8	7	10	9	12	11	3	5	333	4.1
25,001 - 27,000	6	14	17	15	26	14	22	10	11	7	12	8	5	4	11	10	13	9	7	221	2.8
27,001 - 29,000	7	19	26	35	54	37	48	14	26	27	24	31	42	37	37	35	40	19	16	574	7.2
Over 29,000	2	0	2	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	7	0.1
Total	154	326	687	1,045	1,143	341	378	200	257	268	195	212	298	375	430	497	480	343	383	8,012	100.0
Percent	1.9	4.1	8.6	13.0	14.3	4.3	4.7	2.5	3.2	3.3	2.4	2.6	3.7	4.7	5.4	6.2	6.0	4.3	4.8	100.0	

<sup>a</sup>This matrix is a result of a clerical match between the 1970 Saskatchewan motor vehicle registrations and farm operators in the 1970-71 crop year. Names and addresses were matched to identify which trucks were owned by each operator. As there were difficulties in matching, the number of farm operators at a given delivery point may not equal total farm operators, but approximately 76 percent of all possible matches were completed with an estimated error of 10 percent. Two other points may also account for the difference: (1) it is a recognizable fact that some farmers arrange to have their grain hauled by a neighbor; (2) some farm trucks are for non-farm use only and as such are not registered.

Source: Canadian Transport Commission, Ottawa.

### Farm to Elevator Hauling Distances

Tributary areas supplying grain to delivery points for the crop years of 1962-63 and 1969-70 are shown in Figures 4.1 and 4.2. As recorded in individual Wheat Board permit books, each quarter section was plotted to produce a graphic portrayal of the relative sizes and shapes of hinterlands. By this method of presentation, unimproved farmland is, of course, included; whereas Crown land, wasteland, bodies of water and farmland tributary to delivery points outside the study area was omitted.

Table 3.15 is a comparison of the hauling distances from farms to elevators for 1962-63 and 1969-70. In a sense, the average hauling distance is also a measure of the geographical size of a hinterland as additional acreage usually increases the hauling distance. The data were derived from the 1962-63 and 1969-70 hinterland maps, Figures 4.1 and 4.2, by manually measuring the grid distance between the delivery point and the midpoint of each section block. The delivery point was always taken to be located at one corner of a section resulting in a minimum distance of 1.0 mile, all subsequent distances being 1.0 plus 1.0, 2.0 or 3.0 miles, etc., to the furthest boundary of the hinterland.

The average distance of each quarter section from its delivery point was calculated as follows: the distance of each section, as derived above, was weighted or multiplied by the relevant<sup>1</sup> number of quarter sections within that section, the products of these calculations being accumulated and their sum divided by the total number of quarter sections in the hinterland. It might be said that the result is the average distance each section is from the delivery point weighted by the number of relevant quarter sections.

As an estimate of farm to elevator hauling distances, this method may be criticized for not taking into account the actual locations of on-farm grain storage facilities as well as the availability of roads. Such criticism may, however, not be too serious since grain is generally hauled from the field to the farm storage, being taken to the country elevator at a later date. In fact, therefore, the hauling activity originates from each quarter section. The magnitude of error introduced by ignoring roads is difficult to estimate but it will be greater for a hinterland with few roads than for a hinterland with a good network of roads. If a natural barrier, such as a river, bisects a hinterland allowance is, in fact, made for additional hauling distance that would be travelled via available roads. To the extent that error is introduced by omitting some roads, hauling distances could be underestimated.

The average hauling distance in the study area in 1969-70 was 6.83 miles, somewhat more than the 1962-63 average of 6.38 miles. The highest maximum distances were 34 miles at Moseley and Colonsay in 1962-63 and also

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<sup>1</sup>A "relevant" quarter section was both recorded in some farmer's delivery permit book and contained in the hinterland of the delivery point in question.

34 miles at Lake Lenore in 1969-70. The lowest maximum distances were 8 miles at Totzke in 1962-63 and 5 miles at Claggett in 1969-70.

The largest hinterland in terms of average hauling distance in 1962-63 was Weldon where the average was 9.23 miles and in 1969-70 it was Humboldt where the average was 10.02 miles. Claggett had the shortest average hauling distances of 2.53 miles in 1962-63 and 2.13 miles in 1969-70.

The changes in average hauling distances between the two crop years were small. Only 4 delivery points, Whittome, Naicam, Humboldt and Melfort, had a distance change of 1 mile or more. The greatest decrease, 2.42 miles, was at Whittome and the largest increase, 3.54 miles, was at Melfort. Compared with larger centers, a greater proportion of smaller centers had decreased hauling distances.

TABLE 3.15 FARM TO ELEVATOR HAULING DISTANCES BY DELIVERY POINT,  
1962-63 AND 1969-70

Delivery Point	1962-63 <sup>a</sup>		1969-70 <sup>a</sup>		Change	
	Maximum	Average	Maximum	Average	Maximum	Average
- miles -						
<i>Too Small to Classify</i>						
1 Burton Lake	Storage only		Closed			
2 Clarkboro	Storage only		Closed			
3 Rak	10	6.02	Storage only			
4 Irvington	10	3.50	Storage only			
5 Thaxted	10	3.64	Storage only			
6 Waitville	Storage only		Closed			
7 Mileage 102.2	12	3.65	15	3.77	+3	+0.12
8 Tiger Hills	10	3.60	6	2.72	-4	-0.88
9 Rutan	15	3.42	11	3.95	-4	+0.53
10 Claggett	14	2.53	5	2.13	-9	-0.40
11 Leofnard	18	4.05	13	4.38	-5	+0.33
12 Totzke	8	3.55	8	3.56	0	+0.01
13 Clemens	17	4.82	16	5.43	-1	+0.61
14 Lepine	22	3.98	12	3.81	-10	-0.17
15 Carpenter	9	3.18	9	3.26	0	+0.08
16 Fenton	13	3.84	12	3.63	-1	-0.21
17 Bremen	21	4.58	22	4.77	+1	+0.19
18 Dixon	14	4.65	28	5.40	+14	+0.75
<i>Hamlets</i>						
19 Daylesford	13	4.41	14	4.42	+1	+0.01
20 Ens	13	4.78	13	5.28	0	+0.50
21 Lenvale	16	5.41	14	4.90	-2	-0.51
22 Naisberry	11	4.05	10	3.92	-1	-0.13
23 Whittome	13	6.28	16	3.86	+3	-2.42
24 Silver Park	10	3.78	8	3.31	-2	-0.47
25 Resource	19	4.77	12	3.99	-7	-0.78
26 Tarnopol	11	3.23	Closed			
27 Lipsett	13	3.77	14	4.09	+1	+0.32
28 Peterson	15	4.39	15	4.41	0	+0.02
29 Moseley	34	6.24	24	6.59	-10	+0.35
30 Reynaud	9	4.06	10	4.11	+1	+0.05
31 Brancepeth	30	5.99	24	5.98	-6	-0.01
32 Hagen	9	4.28	13	4.54	+4	+0.26
33 Smuts	9	3.62	8	3.45	-1	-0.17
34 Fairy Glen	21	6.26	16	5.34	-5	-0.92
<i>Villages</i>						
35 Ethelton	17	4.66	17	4.57	0	-0.09
36 Lac Vert	18	6.95	16	7.24	-2	+0.29

See footnotes at end of table

(continued)

TABLE 3.15 FARM TO ELEVATOR HAULING DISTANCES BY DELIVERY POINT,  
1962-63 AND 1969-70 (continued)

Delivery Point	1962-63 <sup>a</sup>		1969-70 <sup>a</sup>		Change	
	Maximum	Average	Maximum	Average	Maximum	Average
- miles -						
37 Fulda	16	5.99	15	5.82	-1	-0.17
38 Tway	11	3.87	11	3.93	0	+0.06
39 Pleasantdale	16	5.88	20	6.02	+4	+0.14
40 Beatty	22	6.52	28	7.50	+6	+0.98
41 Brooksby	17	4.59	19	5.30	+2	+0.71
42 Hoey	24	7.14	22	7.68	-2	+0.54
43 Pathlow	15	4.40	15	4.17	0	-0.23
44 Elstow	13	5.16	16	5.61	+3	+0.45
45 Meskanaw	15	5.46	16	6.24	+1	+0.78
46 Pilger	26	5.60	12	5.30	-14	-0.30
47 Crystal Springs	12	4.37	13	4.38	+1	+0.01
48 Gronlid	15	6.88	26	7.19	+11	+0.31
49 Carmel	23	7.14	21	7.01	-2	-0.13
50 Weldon	22	9.23	33	9.66	+11	+0.43
51 Meacham	26	7.19	27	7.29	+1	+0.10
52 St. Benedict	20	5.31	14	5.50	-6	+0.19
53 Ridgedale	16	5.93	19	6.73	+3	+0.80
54 Prud'homme	23	6.59	32	6.93	+9	+0.34
55 Muenster	17	6.75	28	7.24	+11	+0.49
56 Alvena	18	5.60	14	5.80	-4	+0.20
57 Domremy	24	7.73	22	7.61	-2	-0.12
58 Yellow Creek	17	5.33	20	5.41	+3	+0.08
59 St. Louis	27	7.08	23	7.17	-4	+0.09
60 Aberdeen	21	7.55	22	7.24	+1	-0.31
61 Middle Lake	16	6.56	16	6.47	0	-0.09
62 Lake Lenore	26	8.26	34	9.16	+8	+0.90
63 St. Brieux	18	8.05	32	8.56	+14	+0.51
64 Vonda	17	7.16	25	6.76	+8	-0.40
65 Viscount	22	6.13	21	6.42	-1	+0.29
66 Star City	16	6.73	21	7.15	+5	+0.42
67 Colonsay	34	5.49	31	6.32	-3	+0.83
68 Bruno	21	6.81	27	6.90	+6	+0.09
69 Naicam	21	7.74	30	8.79	+7	+1.05
70 Cudworth	24	6.88	28	6.82	+4	-0.06
<i>Greater Towns</i>						
71 Kinistino	24	8.87	22	9.34	-2	+0.47
72 Birch Hills	19	7.20	28	7.44	+9	+0.24
73 Wakaw	16	7.01	16	6.90	0	-0.11

See footnotes at end of table

(continued)

TABLE 3.15 FARM TO ELEVATOR HAULING DISTANCES BY DELIVERY POINT,  
1962-63 AND 1969-70 (concluded)

Delivery Point	1962-63 <sup>a</sup>		1969-70 <sup>a</sup>		Change	
	Maximum	Average	Maximum	Average	Maximum	Average
	- miles -					
74 Humboldt	23	7.74	33	10.02	+10	+2.28
75 Melfort	31	5.89	25	9.43	-6	+3.54
Total Study Area	34	6.38	34	6.83	0	+0.45

<sup>a</sup>The minimum distance in all cases was assumed to be 1.0 mile; thus the range in distances for each hinterland is the maximum minus 1.0 mile.

## PART IV

### A SUGGESTED ALTERNATIVE GRAIN COLLECTION SYSTEM

Community characteristics, grain production characteristics, and grain marketing and handling characteristics of the study area have been covered in the first three parts of this report. Part IV endeavors to show what changes may take place if some delivery points are closed. The proposed alternative system has no official status. It is neither a set of recommendations nor a set of final adjustments that will in fact occur. The authors have scanned the delivery points and selected those they think least likely to survive judging by the traffic density of the rail lines serving them, the number of delivery permits issued for them, and the distance from them to other points that will likely remain in operation. Some consideration has been given to the wishes of the railway and elevator companies. Applications that have been filed with the Canadian Transport Commission for permission to abandon lines were used to gauge what the railway companies wanted. Records of the volume of grain receipts per year put through delivery points were considered as evidence of what the elevator companies wanted. Figure 4.3 shows the hinterlands of delivery points assumed remaining open. This map is only intended to be an approximation of what the future may have in store for farmers in the Melfort-Wakaw region.

For purposes of this study 34 delivery points were assumed closed: all 9 open points on the Meskanaw subdivision, 8 points on the Prince Albert subdivision, 3 points on the Melfort subdivision north of Melfort to Gronlid and 14 other points scattered throughout the study area. Another 7 points were either already closed in 1969-70 or were being used for storage only. Of the 34 points remaining open, only Elstow, Weldon, Muenster and Naicam would not be affected by additional grain receipts upon rationalization (Table 4.1).

Figure 4.3 was derived from 1969-70 hinterlands by diverting quarter sections from those points assumed to be closed to alternate points assumed to be open. Although an element of subjective judgement was involved, the following criteria served as guides in the selection of alternate delivery points: (1) shortest hauling distance, (2) road conditions, and (3) size of community and number of services at alternate points. These criteria are listed in order of importance, but in some instance the second criterion took precedence over the first. Only minor importance was given to the third criterion.

TABLE 4.1 STATUS OF DELIVERY POINTS AFTER DIVERSION, 1969-70

Points Assumed Closed	Points Remaining Open	
	Affected by Diversion	Unaffected by Diversion
1 Burton Lake <sup>a</sup>	25 Resource	44 Elstow
2 Clarkboro <sup>a</sup>	28 Peterson	50 Weldon
3 Rak <sup>a</sup>	29 Moseley	55 Muenster
4 Irvington <sup>a</sup>	31 Brancepeth	69 Naicam
5 Thaxted <sup>a</sup>	36 Lac Vert	
6 Waitville <sup>a</sup>	39 Pleasantdale	
7 Mileage 102.2	40 Beatty	
8 Tiger Hills	41 Brooksby	
9 Rutan	42 Hoey	
10 Claggett	43 Pathlow	
11 Leofnard	49 Carmel	
12 Totzke	51 Meacham	
13 Clemens	53 Ridgedale	
14 Lepine	54 Prud'homme	
15 Carpenter	57 Domremy	
16 Fenton	59 St. Louis	
17 Bremen	60 Aberdeen	
18 Dixon	62 Lake Lenore	
19 Daylesford	63 St. Brieux	
20 Ens	64 Vonda	
21 Lenvale	65 Viscount	
22 Naisberry	66 Star City	
23 Whittome	67 Colonsay	
24 Silver Park	68 Bruno	
26 Tarnopol <sup>a</sup>	70 Cudworth	
27 Lipsett	71 Kinistino	
30 Reynaud	72 Birch Hills	
32 Hagen	73 Wakaw	
33 Smuts	74 Humboldt	
34 Fairy Glen	75 Melfort	
35 Ethelton		
37 Fulda		
38 Tway		
45 Meskanaw		
46 Pilger		
47 Crystal Springs		
48 Gronlid		
52 St. Benedict		
56 Alvena		
58 Yellow Creek		
61 Middle Lake		

<sup>a</sup>These points were either closed prior to 1969-70 or were being used for storage only.

### Diversion of Acreages and Bushels Conditional on Closing Certain Delivery Points

Table 4.2, the "loss" aspect of diversion, and Table 4.3, the "gain" aspect of diversion, show the probable changes in acreages and bushels that would occur if the specified points are closed. In Table 4.2 the distribution percentages were determined on the basis of the number of quarter sections diverted to each alternate delivery point. For example, of the total number of quarter sections in the hinterland of Meskanaw, 81.8 percent were diverted to Kinistino, 9.3 percent to St. Brieux and 8.9 percent to Brancepeth; and of the 45,659 acres of farmland at Meskanaw in 1969-70 (Table 2.6), 37,349 acres were transferred to Kinistino, 4,246 acres to St. Brieux and 4,064 acres to Brancepeth. Altogether 936,881 acres were transferred from points assumed to be closed to points assumed to be open.

Bushel diversion estimates were also made on the basis of the distribution percentages for quarter sections. Of the 317,806 bushels of grain received at Meskanaw in 1969-70, it was assumed that 259,965 bushels, 81.8 percent, would go to Kinistino, that 29,556 bushels, 9.3 percent, would go to St. Brieux and that 28,285 bushels, 8.9 percent, would go to Brancepeth. Since annual receipts vary considerably, bushel diversions based on the ten-year average for the crop years from 1960-61 to 1969-70 have been calculated in the same manner. If the delivery points specified in Table 4.2 had been closed in 1969-70, there would have been an estimated diversion of 6.4 million bushels on the one-year basis compared with an estimated diversion of 7.3 million bushels on the ten-year average basis. In this table the closed delivery points are ranked in an ascending order, the point with the lowest average bushels diverted from 1960-61 to 1969-70 being first on the list and the point with the highest average being last.

In Table 4.3 the acreage and bushel amounts diverted to each point assumed to remain open, were taken from Table 4.2. Figures in the percent diverted column were derived from the entries on acreage diversion. In this table as in the previous one, delivery points are listed in an ascending order on the basis of ten-year average receipts from 1960-61 to 1969-70. Lac Vert gained the least, 15,694 bushels; whereas Wakaw gained the most, 872,904 bushels.

TABLE 4.2 DIVERSIONS (FROM-TO) OF ACREAGES AND BUSHELs CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS, 1969-70

From Closed Point To Diversion Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
From: 8 Tiger Hills To: 72 Birch Hills	100.0	4,471	38,011	59,238
<u>Total</u>	100.0	4,471	38,011	59,238
From: 24 Silver Park To: 39 Pleasantdale	33.0	4,575	19,220	25,218
25 Resource	67.0	9,290	39,022	51,200
<u>Total</u>	100.0	13,865	58,242	76,418
From: 15 Carpenter To: 70 Cudworth	27.5	4,206	4,654	23,785
73 Wakaw	72.5	11,088	12,271	62,707
<u>Total</u>	100.0	15,294	16,925	86,492
From: 10 Claggett To: 75 Melfort	3.3	191	1,437	2,988
43 Pathlow	20.0	1,154	8,705	18,113
40 Beatty	76.7	4,427	33,384	69,463
<u>Total</u>	100.0	5,772	43,526	90,564
From: 16 Fenton To: 59 St. Louis	18.5	1,939	11,847	17,013
72 Birch Hills	81.5	8,544	52,189	74,947
<u>Total</u>	100.0	10,483	64,036	91,960
From: 38 Tway To: 63 St. Brieux	0.8	161	796	767
57 Domremy	24.8	4,983	24,695	23,793
72 Birch Hills	26.5	5,324	26,388	25,424
73 Wakaw	47.9	9,624	47,697	45,955
<u>Total</u>	100.0	20,092	99,576	95,939
From: 12 Totzke To: 68 Bruno	21.1	3,343	15,659	20,667
54 Prud'homme	22.1	3,502	16,402	21,647
28 Peterson	56.8	9,001	42,154	55,635
<u>Total</u>	100.0	15,846	74,215	97,949

(continued)

TABLE 4.2 DIVERSIONS (FROM-TO) OF ACREAGES AND BUSHELs CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70 (continued)

From Closed Point To Diversion Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
From: 11 Leofnard				
To: 73 Wakaw	16.9	1,654	8,644	17,011
70 Cudworth	83.1	8,374	42,505	83,646
<u>Total</u>	100.0	10,028	51,149	100,657
From: 20 Ens				
To: 57 Domremy	32.0	6,545	37,766	37,628
73 Wakaw	68.0	13,909	80,254	79,959
<u>Total</u>	100.0	20,454	118,020	117,587
From: 33 Smuts				
To: 54 Prud'homme	3.6	497	2,633	4,878
60 Aberdeen	10.7	1,478	7,824	14,499
64 Vonda	85.7	11,836	62,666	116,129
<u>Total</u>	100.0	13,811	73,123	135,506
From: 47 Crystal Springs				
To: 57 Domremy	12.5	3,198	14,384	18,579
31 Brancepeth	23.7	6,063	27,272	35,226
72 Birch Hills	63.8	16,322	73,415	94,827
<u>Total</u>	100.0	25,583	115,071	148,632
From: 30 Reynaud				
To: 73 Wakaw	100.0	17,054	109,611	149,318
<u>Total</u>	100.0	17,054	109,611	149,318
From: 9 Rutan				
To: 65 Viscount	26.0	5,211	36,792	39,051
67 Colonsay	31.5	6,313	44,575	47,312
51 Meacham	42.5	8,518	60,140	63,833
<u>Total</u>	100.0	20,042	141,507	150,196
From: 14 Lepine				
To: 57 Domremy	0.8	187	1,249	1,301
70 Cudworth	3.9	915	6,088	6,345
73 Wakaw	95.3	22,347	148,768	155,042
<u>Total</u>	100.0	23,449	156,105	162,688

(continued)

TABLE 4.2 DIVERSIONS (FROM-TO) OF ACREAGES AND BUSHELs CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70 (continued)

From Closed Point To Diversion Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
From: 7 Mileage 102.2				
To: 75 Melfort	41.1	5,253	57,816	67,614
40 Beatty	58.9	7,529	82,855	96,897
<u>Total</u>	100.0	12,782	140,671	164,511
From: 13 Clemens				
To: 39 Pleasantdale	1.4	171	1,312	2,331
66 Star City	5.4	662	5,057	8,993
75 Melfort	6.7	821	6,275	11,157
25 Resource	86.5	10,599	81,012	144,047
<u>Total</u>	100.0	12,253	93,656	166,528
From: 19 Daylesford				
To: 39 Pleasantdale	3.0	528	3,844	5,289
36 Lac Vert	8.9	1,567	11,404	15,694
63 St. Brieux	33.6	5,917	43,053	59,248
62 Lake Lenore	54.5	9,597	69,832	96,101
<u>Total</u>	100.0	17,609	128,133	176,332
From: 18 Dixon				
To: 74 Humboldt	36.7	9,895	68,377	75,053
49 Carmel	63.3	17,067	117,937	129,451
<u>Total</u>	100.0	26,962	186,314	204,504
From: 22 Naisberry				
To: 41 Brooksby	1.9	367	3,983	4,205
25 Resource	5.7	1,103	11,951	12,613
75 Melfort	46.2	8,938	96,864	102,235
66 Star City	46.2	8,938	96,864	102,235
<u>Total</u>	100.0	19,346	209,662	221,288
From: 23 Whittome				
To: 40 Beatty	2.1	460	5,137	4,934
66 Star City	11.9	2,605	29,110	27,959
41 Brooksby	41.9	9,172	102,496	98,444
75 Melfort	44.1	9,654	107,878	103,613
<u>Total</u>	100.0	21,891	244,621	234,950

(continued)

TABLE 4.2 DIVERSIONS (FROM-TO) OF ACREAGES AND BUSHELS CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70 (continued)

From Closed Point To Diversion Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
From: 21 Lenvale				
To: 75 Melfort	3.7	883	7,124	8,782
41 Brooksby	41.8	9,976	80,488	99,204
40 Beatty	54.5	13,006	104,942	129,345
<u>Total</u>	100.0	23,865	192,554	237,331
From: 17 Bremen				
To: 28 Peterson	2.7	917	5,514	6,583
54 Prud'homme	14.6	4,961	29,815	35,599
68 Bruno	21.0	7,136	42,885	51,204
70 Cudworth	61.7	20,966	126,000	150,441
<u>Total</u>	100.0	33,980	204,214	243,827
From: 32 Hagen				
To: 31 Brancepeth	0.6	162	1,266	1,478
57 Domremy	0.6	161	1,265	1,477
42 Hoey	29.5	7,932	62,208	72,661
59 St. Louis	30.8	8,281	64,949	75,863
72 Birch Hills	38.5	10,351	81,186	94,829
<u>Total</u>	100.0	26,887	210,874	246,308
From: 27 Lipsett				
To: 40 Beatty	3.7	958	10,607	9,205
25 Resource	16.3	4,222	46,728	40,553
75 Melfort	38.1	9,868	109,223	94,789
43 Pathlow	41.9	10,853	120,116	104,243
<u>Total</u>	100.0	25,901	286,674	248,790
From: 61 Middle Lake				
To: 49 Carmel	0.3	160	860	828
73 Wakaw	0.3	161	861	829
74 Humboldt	8.8	4,701	25,686	24,295
63 St. Brieux	19.5	10,418	56,918	53,836
62 Lake Lenore	31.9	17,043	93,111	88,070
70 Cudworth	39.2	20,943	114,419	108,225
<u>Total</u>	100.0	53,426	291,855	276,083

(continued)

TABLE 4.2 DIVERSIONS (FROM-TO) OF ACREAGES AND BUSHELs CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70 (continued)

From Closed Point To Diversion Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
From: 58 Yellow Creek				
To: 57 Domremy	1.7	877	5,908	4,720
72 Birch Hills	6.8	3,506	23,633	18,879
71 Kinistino	8.5	4,383	29,541	23,599
73 Wakaw	10.6	5,465	36,840	29,429
63 St. Brieux	24.3	12,529	84,454	67,465
31 Brancepeth	48.1	24,801	167,170	133,542
<u>Total</u>	100.0	51,561	347,546	277,634
From: 45 Meskanaw				
To: 31 Brancepeth	8.9	4,064	28,285	25,534
63 St. Brieux	9.3	4,246	29,556	26,683
71 Kinistino	81.8	37,349	259,965	234,692
<u>Total</u>	100.0	45,659	317,806	286,909
From: 46 Pilger				
To: 70 Cudworth	2.8	1,133	6,576	8,085
68 Bruno	11.2	4,533	26,301	32,339
49 Carmel	26.4	10,684	61,996	76,228
62 Lake Lenore	59.6	24,120	139,960	172,090
<u>Total</u>	100.0	40,470	234,833	288,742
From: 34 Fairy Glen				
To: 40 Beatty	17.2	5,602	45,058	49,704
41 Brooksby	82.8	26,968	216,907	239,272
<u>Total</u>	100.0	32,570	261,965	288,976
From: 52 St. Benedict				
To: 31 Brancepeth	0.6	294	1,738	2,075
63 St. Brieux	5.7	2,798	16,505	19,711
73 Wakaw	44.7	21,942	129,438	154,577
70 Cudworth	49.0	24,053	141,889	169,447
<u>Total</u>	100.0	49,087	289,570	345,810
From: 35 Ethelton				
To: 63 St. Brieux	1.2	474	5,158	4,858
40 Beatty	16.0	6,312	68,775	64,775
43 Pathlow	38.3	15,110	164,629	155,054
71 Kinistino	44.5	17,557	191,280	180,155
<u>Total</u>	100.0	39,453	429,842	404,842

(continued)

TABLE 4.2 DIVERSIONS (FROM-TO) OF ACREAGES AND BUSHELs CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70 (concluded)

From Closed Point To Diversion Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
From: 37 Fulda				
To: 74 Humtoldt	10.8	5,488	36,938	46,773
68 Bruno	12.5	6,351	42,753	54,135
62 Lake Lenore	14.3	7,267	48,909	61,931
29 Moseley	15.9	8,080	54,381	68,860
49 Carmel	46.5	23,629	159,039	201,384
<u>Total</u>	100.0	50,815	342,020	433,083
From: 48 Gronlid				
To: 53 Ridgedale	29.4	18,276	110,385	137,496
41 Brooksby	70.6	43,887	265,074	330,176
<u>Total</u>	100.0	62,163	375,459	467,672
From: 56 Alvena				
To: 60 Aberdeen	1.4	1,035	5,962	7,487
54 Prud'homme	2.1	1,553	8,943	11,230
64 Vonda	19.4	14,348	82,613	103,744
73 Wakaw	33.3	24,628	141,806	178,077
70 Cudworth	43.8	32,393	186,519	234,227
<u>Total</u>	100.0	73,957	425,843	534,765
Study Area Total		936,881	6,373,229	7,312,029

TABLE 4.3 DIVERSIONS (TO-FROM) OF ACREAGES AND BUSHEL'S CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70

To Diversion Point From Closed Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
To: 36 Lac Vert From: 19 Daylesford	100.0	1,567	11,404	15,694
<u>Total</u>	100.0	1,567	11,404	15,694
To: 60 Aberdeen From: 56 Alvena	41.2	1,035	5,962	7,487
33 Smuts	58.8	1,478	7,824	14,499
<u>Total</u>	100.0	2,513	13,786	21,986
To: 39 Pleasantdale From: 13 Clemens	3.2	171	1,312	2,331
19 Daylesford	10.0	528	3,844	5,289
24 Silver Park	86.8	4,575	19,220	25,218
<u>Total</u>	100.0	5,274	24,376	32,838
To: 65 Viscount From: 9 Rutan	100.0	5,211	36,792	39,051
<u>Total</u>	100.0	5,211	36,792	39,051
To: 67 Colonsay From: 9 Rutan	100.0	6,313	44,575	47,312
<u>Total</u>	100.0	6,313	44,575	47,312
To: 28 Peterson From: 17 Bremen	9.3	917	5,514	6,583
12 Totzke	90.7	9,001	42,154	55,635
<u>Total</u>	100.0	9,918	47,668	62,218
To: 51 Meacham From: 9 Rutan	100.0	8,518	60,140	63,833
<u>Total</u>	100.0	8,518	60,140	63,833
To: 29 Moseley From: 37 Fulda	100.0	8,080	54,381	68,860
<u>Total</u>	100.0	8,080	54,381	68,860
To: 42 Hoey From: 32 Hagen	100.0	7,932	62,208	72,661
<u>Total</u>	100.0	7,932	62,208	72,661

(continued)

TABLE 4.3 DIVERSIONS (TO-FROM) OF ACREAGES AND BUSHELs CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70 (continued)

To Diversion Point From Closed Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
To: 54 Prud'homme				
From: 33 Smuts	4.7	497	2,633	4,878
56 Alvena	14.8	1,553	8,943	11,230
12 Totzke	33.3	3,502	16,402	21,647
17 Bremen	47.2	4,961	29,815	35,599
<u>Total</u>	100.0	10,513	57,793	73,354
To: 57 Domremy				
From: 14 Lepine	1.3	187	1,249	1,301
32 Hagen	1.0	162	1,265	1,477
58 Yellow Creek	5.5	877	5,908	4,720
47 Crystal Springs	20.0	3,198	14,384	18,579
38 Tway	31.2	4,983	24,695	23,793
20 Ens	41.0	6,545	37,766	37,628
<u>Total</u>	100.0	15,952	85,267	87,498
To: 59 St. Louis				
From: 16 Fenton	19.0	1,939	11,847	17,013
32 Hagen	81.0	8,281	64,949	75,863
<u>Total</u>	100.0	10,220	76,796	92,876
To: 53 Ridgedale				
From: 48 Gronlid	100.0	18,276	110,385	137,496
<u>Total</u>	100.0	18,276	110,385	137,496
To: 66 Star City				
From: 13 Clemens	5.4	662	5,057	8,993
23 Whittome	21.4	2,605	29,110	27,959
22 Naisberry	73.2	8,938	96,864	102,235
<u>Total</u>	100.0	12,205	131,031	139,187
To: 74 Humboldt				
From: 61 Middle Lake	23.4	4,701	25,686	24,295
37 Fulda	27.3	5,488	36,938	46,773
18 Dixon	49.3	9,895	68,377	75,053
<u>Total</u>	100.0	20,084	131,001	146,121
To: 68 Bruno				
From: 12 Totzke	15.7	3,343	15,659	20,667
46 Pilger	21.2	4,533	26,301	32,339
37 Fulda	29.7	6,351	42,753	54,135
17 Bremen	33.4	7,136	42,885	51,204
<u>Total</u>	100.0	21,363	127,598	158,345

(continued)

TABLE 4.3 DIVERSIONS (TO-FROM) OF ACREAGES AND BUSHEL'S CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70 (continued)

To Diversion Point From Closed Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
To: 31 Brancepeth				
From: 32 Hagen	0.5	161	1,266	1,478
52 St. Benedict	0.8	294	1,738	2,075
45 Meskanaw	11.5	4,064	28,285	25,534
47 Crystal Springs	17.1	6,063	27,272	35,226
58 Yellow Creek	70.1	24,801	167,170	133,542
<u>Total</u>	100.0	35,383	225,731	197,855
To: 64 Vonda				
From: 56 Alvena	54.8	14,348	82,613	103,744
32 Smuts	45.2	11,836	62,666	116,129
<u>Total</u>	100.0	26,184	145,279	219,873
To: 63 St. Brieux				
From: 38 Tway	0.4	161	796	767
35 Ethelton	1.3	474	5,158	4,858
52 St. Benedict	7.7	2,798	16,505	19,711
45 Meskanaw	11.6	4,246	29,556	26,683
61 Middle Lake	28.5	10,418	56,918	53,836
19 Daylesford	16.2	5,917	43,053	59,248
58 Yellow Creek	34.3	12,529	84,454	67,465
<u>Total</u>	100.0	36,543	236,440	232,568
To: 25 Resource				
From: 22 Naisberry	4.4	1,103	11,951	12,613
27 Lipsett	16.7	4,222	46,728	40,553
24 Silver Park	36.9	9,290	39,022	51,200
13 Clemens	42.0	10,599	81,012	144,047
<u>Total</u>	100.0	25,214	178,713	248,413
To: 43 Pathlow				
From: 10 Claggett	4.3	1,154	8,705	18,113
27 Lipsett	40.0	10,853	120,116	104,243
35 Ethelton	55.7	15,110	164,629	155,054
<u>Total</u>	100.0	27,117	293,450	277,410
To: 72 Birch Hills				
From: 58 Yellow Creek	7.2	3,506	23,633	18,879
38 Tway	11.0	5,324	26,388	25,424
8 Tiger Hills	9.2	4,471	38,011	59,238
16 Fenton	17.6	8,544	52,189	74,947
47 Crystal Springs	33.7	16,322	73,415	94,827
32 Hagen	21.3	10,351	81,186	94,829
<u>Total</u>	100.0	48,518	294,822	368,144

(continued)

TABLE 4.3 DIVERSIONS (TO-FROM) OF ACREAGES AND BUSHEL'S CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70 (continued)

To Diversion Point From Closed Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
To: 75 Melfort				
From: 10 Claggett	0.5	191	1,437	2,988
21 Lenvale	2.5	883	7,124	8,782
13 Clemens	2.3	821	6,275	11,157
7 Mileage 102.2	14.8	5,253	57,816	67,614
27 Lipsett	27.7	9,868	109,223	94,789
22 Naisberry	25.1	8,938	96,864	102,235
23 Whittome	27.1	9,654	107,878	103,613
<u>Total</u>	100.0	35,608	386,617	391,178
To: 49 Carmel				
From: 61 Middle Lake	0.3	160	860	828
46 Pilger	20.7	10,684	61,996	76,228
18 Dixon	33.1	17,067	117,937	129,451
37 Fulda	45.9	23,629	159,039	201,384
<u>Total</u>	100.0	51,540	339,832	407,891
To: 62 Lake Lenore				
From: 37 Fulda	12.5	7,267	48,909	61,931
61 Middle Lake	29.4	17,043	93,111	88,070
19 Daylesford	16.5	9,597	69,832	96,101
46 Pilger	41.6	24,120	139,960	172,090
<u>Total</u>	100.0	58,027	351,812	418,192
To: 40 Beatty				
From: 23 Whittome	1.2	460	5,137	4,934
27 Lipsett	2.5	958	10,607	9,205
34 Fairy Glen	14.6	5,602	45,058	49,704
35 Ethelton	16.5	6,312	68,775	64,775
10 Claggett	11.6	4,427	33,384	69,463
7 Mileage 102.2	19.6	7,529	82,855	96,897
21 Lenvale	34.0	13,006	104,942	129,345
<u>Total</u>	100.0	38,294	350,758	424,323
To: 71 Kinistino				
From: 58 Yellow Creek	7.4	4,383	29,541	23,599
35 Ethelton	29.6	17,557	191,280	180,155
45 Meskanaw	63.0	37,349	259,965	234,692
<u>Total</u>	100.0	59,289	480,786	438,446
To: 41 Brooksby				
From: 22 Naisberry	0.4	367	3,983	4,205
23 Whittome	10.2	9,172	102,496	98,444
21 Lenvale	11.0	9,976	80,488	99,204
34 Fairy Glen	29.8	26,968	216,907	239,272
48 Gronlid	48.6	43,887	265,074	330,176
<u>Total</u>	100.0	90,370	668,948	771,301

(continued)

TABLE 4.3 DIVERSIONS (TO-FROM) OF ACREAGES AND BUSHEL'S CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70 (concluded)

To Diversion Point From Closed Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
To: 70 Cudworth				
From: 14 Lepine	0.8	915	6,088	6,345
46 Pilger	1.0	1,133	6,576	8,085
15 Carpenter	3.7	4,206	4,654	23,785
11 Leofnard	7.4	8,374	42,505	83,646
61 Middle Lake	18.5	20,943	114,419	108,225
17 Bremen	18.6	20,966	126,000	150,441
52 St. Benedict	21.3	24,053	141,889	169,447
56 Alvena	28.7	32,393	186,519	234,227
<u>Total</u>	100.0	112,983	628,650	784,201
To: 73 Wakaw				
From: 61 Middle Lake	0.1	161	861	829
11 Leofnard	1.3	1,654	8,644	17,011
58 Yellow Creek	4.3	5,465	36,840	29,429
38 Tway	7.5	9,624	47,697	45,955
15 Carpenter	8.7	11,088	12,271	62,707
20 Ens	10.9	13,909	80,254	79,959
30 Reynaud	13.3	17,054	109,611	149,318
52 St. Benedict	17.1	21,942	129,438	154,577
14 Lepine	17.5	22,347	148,768	155,042
56 Alvena	19.3	24,628	141,806	178,077
<u>Total</u>	100.0	127,872	716,190	872,904
Study Area Total		936,881	6,373,229	7,312,029

Size of Hinterlands Before and After Diversion

Table 4.4 shows increases in hinterland acreages for the 30 points that were assumed to be open after diversion and that were affected by it. Lac Vert gained the least in absolute terms, 1,567 acres, and Aberdeen gained the least in relative terms, 2.6 percent. Wakaw added the most acres, 127,872, but percentagewise Brooksby had the largest increase, 165.8 percent. On the average the hinterlands of diversion points increased in size by 43.5 percent.

TABLE 4.4 SIZE OF HINTERLANDS BEFORE AND AFTER DIVERSION, BASIS 1969-70

Diversion Point	Before Diversion	Acreage Increase	After Diversion	Percent Increase
	Original Size 1969-70		Enlarged Size	
	- acres -	- acres -	- acres -	
36 Lac Vert	51,865	1,567	53,432	3.0
60 Aberdeen	97,701	2,513	100,214	2.6
39 Pleasantdale	46,470	5,274	51,744	11.3
65 Viscount	57,717	5,211	62,928	9.0
67 Colonsay	50,170	6,313	56,483	12.6
28 Peterson	37,149	9,918	47,067	26.7
51 Meacham	78,393	8,518	86,911	10.9
29 Moseley	41,992	8,080	50,072	19.2
42 Hoey	63,504	7,932	71,436	12.5
54 Prud'homme	84,687	10,513	95,200	12.4
57 Domremy	85,532	15,952	101,484	18.7
59 St. Louis	51,738	10,220	61,958	19.6
53 Ridgedale	73,453	18,276	91,729	24.9
66 Star City	77,133	12,205	89,338	15.8
74 Humboldt	97,259	20,084	117,343	20.7
68 Bruno	91,101	21,363	112,464	23.4
31 Brancepeth	41,943	35,383	77,326	84.4
64 Vonda	76,077	26,184	102,261	34.4
63 St. Brieux	107,487	36,543	144,030	34.0
25 Resource	16,460	25,214	41,674	153.2
43 Pathlow	34,614	27,117	61,731	78.3
72 Birch Hills	95,785	48,518	144,303	50.7
75 Melfort	84,462	35,608	120,070	42.2
49 Carmel	68,141	51,540	119,681	75.6
62 Lake Lenore	123,819	58,027	181,846	46.9
40 Beatty	69,781	38,294	108,075	54.9
71 Kinistino	128,906	59,289	188,195	46.0
41 Brooksby	54,506	90,370	144,876	165.8
70 Cudworth	89,559	112,983	202,542	126.2
73 Wakaw	77,999	127,872	205,871	163.9
Study Area Total	2,155,403	936,881	3,092,284 <sup>a</sup>	43.5

<sup>a</sup>Elstow, Weldon, Muenster and Naicam are not included in this total.

### Throughput Ratios Before and After Diversion

Rationalization of the grain collection system assumes that 34 delivery points will be closed, thereby reducing the total elevator capacity of the study area by nearly 4.7 million bushels or about 30 percent. If no further storage is built, the throughput ratios that would result from diversion are given in Table 4.5.<sup>1</sup>

Based on the crop years from 1960-61 to 1969-70, diversion would increase the average throughput ratio for the study area from 1.6 to 2.3. On the ten-year average base, all points shown in Table 4.5 had ratios of less than 2.5 and only 7 had ratios of 2.0 or greater before diversion. After diversion, throughput ratios were less than 2.0 at 10 points and ranged from 2.0 to 4.7 at all the other points.

None of the delivery points in the study area should experience any difficulty in handling the additional throughput after diversion takes place. If the delivery point of Resource, for example, were to achieve a throughput ratio of 4.7 based on its present storage capacity of 87,000 bushels, that point would have to handle 408,900 bushels or a total of 205 boxcars in one year. This would mean that the two grain elevators there would be required to load an average of only four boxcars per week during the year. The railway siding at Resource can accommodate eight boxcars in one shunt (Table 3.12).

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<sup>1</sup>Throughput ratios for all delivery points before diversion are shown in Table 3.7.

TABLE 4.5 THROUGHPUT RATIOS BY DELIVERY POINT BEFORE AND AFTER  
DIVERSION, BASIS 1969-70 AND PREVIOUS TEN-YEAR AVERAGE

Diversion Point	Before Diversion		After Diversion	
	Actual 1969-70	Ten-Year Average 1960-61 to 1969-70	Actual 1969-70	Ten-Year Average 1960-61 to 1969-70
36 Lac Vert	1.2	1.5	1.2	1.5
60 Aberdeen	1.7	2.0	1.7	2.0
39 Pleasantdale	1.4	1.3	1.6	1.5
65 Viscount	1.0	1.2	1.1	1.2
67 Colonsay	2.5	2.4	2.8	2.7
28 Peterson	2.1	2.3	2.6	3.0
51 Meacham	1.9	2.4	2.1	2.6
29 Moseley	1.3	1.4	1.5	1.7
42 Hoey	1.4	1.4	1.6	1.6
54 Prud'homme	1.3	1.5	1.4	1.8
57 Domremy	1.3	1.4	1.5	1.6
59 St. Louis	1.4	1.4	1.8	1.8
53 Ridgedale	1.6	1.5	1.9	1.8
66 Star City	1.6	1.5	1.9	1.8
74 Humboldt	2.8	2.4	3.3	2.9
68 Bruno	1.5	1.7	1.8	2.2
31 Brancepeth	1.9	1.9	3.1	3.0
64 Vonda	1.6	2.0	2.2	2.9
63 St. Brieux	1.7	1.5	2.3	2.1
25 Resource	1.3	1.9	3.3	4.7
43 Pathlow	1.3	1.3	2.7	2.7
72 Birch Hills	2.2	2.0	3.0	2.9
75 Melfort	2.4	1.3	3.9	2.3
49 Carmel	1.5	1.8	3.0	3.7
62 Lake Lenore	1.6	1.5	2.1	2.1
40 Beatty	1.6	1.4	2.3	2.3
71 Kinistino	1.6	1.4	2.4	2.1
41 Brooksby	1.5	1.3	3.6	3.7
70 Cudworth	1.4	1.6	3.2	3.8
73 Wakaw	1.2	1.2	3.0	3.5
Total Study Area	1.5 <sup>a</sup>	1.6 <sup>a</sup>	2.1	2.3

<sup>a</sup> Average throughput ratio of all points open from Table 3.7.

#### Farm to Elevator Hauling Distances Before and After Diversion

Table 4.6 compares maximum and average hauling distances before and after diversion both for points assumed to be closed and for points assumed to remain open. The changes in maximum and average mileages due to diversion are also shown.

In the study area, diversion increased the average farm to elevator hauling distance from 6.83 to 8.80 miles, a difference of 1.97 miles. Before diversion, the shortest average hauling distance was 2.13 miles at Claggett and the longest was 10.02 miles at Humboldt. For the points remaining open after diversion, Resource had the shortest average hauling distance, 4.98 miles, and Brancepeth had the longest, 11.10 miles.<sup>1</sup>

The changes in hauling distances were small for the majority of delivery points open after diversion. The average distance increased by less than one mile at 12 points and by more than 3 miles at only 4 points. The largest increase, 5.36 miles, took place at Brooksby.

Hauling distances became much greater for nearly all points assumed to be closed. The biggest increases were at Yellow Creek, 12.83 miles, and at Tway, 11.47 miles.

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<sup>1</sup>The fact that average hauling distances actually decreased slightly at several points can be explained by the acreages added in relation to the shape of the hinterlands (Figure 4.3). Since average hauling distance is weighted by the number of quarter sections (see commentary for Table 3.15), adding more sections close to the delivery point results in the average being pulled downwards.

TABLE 4.6 FARM TO ELEVATOR HAULING DISTANCES BY DELIVERY POINT BEFORE AND AFTER DIVERSION, BASIS 1969-70

Delivery Point	Before Diversion 1969-70		After Diversion Basis 1969-70		Change	
	Maximum	Average	Maximum	Average	Maximum	Average
- miles -						
<i>Points Assumed Closed</i>						
8 Tiger Hills	6	2.72	10	7.28	+4	+4.56
24 Silver Park	8	3.31	11	5.90	+3	+2.59
15 Carpenter	9	3.26	14	10.79	+5	+7.53
10 Claggett	5	2.13	11	6.30	+6	+4.17
16 Fenton	12	3.63	13	9.19	+1	+5.56
38 Tway	11	3.93	21	15.40	+10	+11.47
12 Totzke	8	3.56	10	7.44	+2	+3.88
11 Leofnard	13	4.38	13	7.26	0	+2.88
20 Ens	13	5.28	15	7.43	+2	+2.15
33 Smuts	8	3.45	15	10.61	+7	+7.16
47 Crystal Springs	13	4.38	19	13.28	+6	+8.90
30 Reynaud	10	4.11	19	14.34	+9	+10.23
9 Rutan	11	3.95	9	5.96	-2	+2.01
14 Lepine	12	3.81	15	9.43	+3	+5.62
7 Mileage 102.2	15	3.77	11	5.82	-4	+2.05
13 Clemens	16	5.43	11	5.04	-5	-0.39
19 Daylesford	14	4.42	14	10.39	0	+5.97
18 Dixon	28	5.40	15	7.67	-13	+2.27
22 Naisberry	10	3.92	10	6.88	0	+2.96
23 Whittome	16	3.86	12	8.33	-4	+4.47
21 Lenvale	14	4.90	23	12.53	+9	+7.63
17 Bremen	22	4.77	12	8.31	-10	+3.54
32 Hagen	13	4.54	13	9.06	0	+4.52
27 Lipsett	14	4.09	12	7.16	-2	+3.07
61 Middle Lake	16	6.47	28	17.71	+12	+11.24
58 Yellow Creek	20	5.41	25	18.24	+5	+12.83
45 Meskanaw	16	6.24	26	14.82	+10	+8.58
46 Pilger	12	5.30	20	13.02	+8	+7.72
34 Fairy Glen	16	5.34	25	14.59	+9	+9.25
52 St. Benedict	14	5.50	25	16.55	+11	+11.05
35 Ethelton	17	4.57	17	9.15	0	+4.58
37 Fulda	15	5.82	16	10.01	+1	+4.19
48 Gronlid	26	7.19	26	15.80	0	+8.61
56 Alvena	14	5.80	23	13.99	+9	+8.19
<i>Points Remaining Open</i>						
44 Elstow	16	5.61	16	5.61	0	0
50 Weldon	33	9.66	33	9.66	0	0
55 Muenster	24	7.24	24	7.24	0	0
69 Naicam	30	8.79	30	8.79	0	0
36 Lac Vert	16	7.24	16	7.33	0	+0.09

(continued)

TABLE 4.6 FARM TO ELEVATOR HAULING DISTANCES BY DELIVERY POINT BEFORE AND AFTER DIVERSION, BASIS 1969-70 (concluded)

Delivery Point	Before Diversion 1969-70		After Diversion Basis 1969-70		Change	
	Maximum	Average	Maximum	Average	Maximum	Average
- miles -						
60 Aberdeen	22	7.24	22	7.40	0	+0.16
39 Pleasantdale	20	6.02	20	6.05	0	+0.03
65 Viscount	21	6.42	21	6.37	0	-0.05
67 Colonsay	31	6.32	31	6.23	0	-0.09
28 Peterson	15	4.41	15	5.02	0	+0.61
51 Meacham	27	7.29	27	7.22	0	-0.07
29 Moseley	24	6.59	27	6.74	+3	+0.15
42 Hoey	22	7.68	22	7.90	0	+0.22
54 Prud'homme	32	6.93	32	7.04	0	+0.11
57 Domremy	23	7.61	23	8.03	0	+0.42
59 St. Louis	23	7.17	23	6.97	0	-0.20
53 Ridgedale	18	6.73	24	8.58	+6	+1.85
66 Star City	21	7.15	21	7.20	0	+0.05
74 Humboldt	33	10.02	33	10.34	0	+0.32
68 Bruno	27	6.90	27	7.69	0	+0.79
31 Brancepeth	24	5.98	26	11.10	+2	+5.12
64 Vonda	25	6.76	25	8.24	0	+1.48
63 St. Brieux	32	8.56	32	10.13	0	+1.57
25 Resource	12	3.99	12	4.98	0	+0.99
43 Pathlow	15	4.17	15	5.58	0	+1.41
72 Birch Hills	28	7.44	28	9.17	0	+1.73
75 Melfort	25	9.43	25	8.79	0	-0.64
49 Carmel	21	7.01	21	8.54	0	+1.53
62 Lake Lenore	34	9.16	34	10.43	0	+1.27
40 Beatty	28	7.50	28	8.81	0	+1.31
71 Kinistino	22	9.34	25	10.78	+3	+1.44
41 Brooksby	19	5.30	26	10.66	+7	+5.36
70 Cudworth	28	6.82	28	10.20	0	+3.38
73 Wakaw	16	6.90	25	10.84	+9	+3.94
Total Study Area	34	6.83	34	8.80	0	+1.97

### Number of Permit Holders Before and After Diversion

If the alternative system of grain collection assumed in this report materializes, there will be adjustments in the number of permit holders at affected delivery points. Based on the number of permits issued in 1969-70, estimates have been made of the probable number of permits at points remaining open after diversion (Table 4.7), these estimates being derived from the distribution percentages of Table 4.2 in the same manner as estimates for acreage and bushel diversion. It has been supposed that no reduction in the number of producers will result from rationalization.

A total of 2,135 permit holders, 30.1 percent of the 7,086 permit holders in the study area, would find it necessary to choose an alternate delivery point. Wakaw would have the greatest increase as it is estimated that the number of permit holders there would rise from 204 before diversion to 509 after diversion, a gain of 305 permits. Large increases would also occur at Cudworth, 256 permits, and at Brooksby, 244 permits.

TABLE 4.7 NUMBER OF PERMIT HOLDERS BY DELIVERY POINT BEFORE AND AFTER DIVERSION, BASIS 1969-70

Delivery Point	Number of Permit Holders	
	Before Diversion	After Diversion
<i>Points Assumed Closed</i>		
8 Tiger Hills	15	0
24 Silver Park	34	0
15 Carpenter	38	0
10 Claggett	8	0
16 Fenton	19	0
38 Tway	52	0
12 Totzke	40	0
11 Leofnard	26	0
20 Ens	58	0
33 Smuts	39	0
47 Crystal Springs	66	0
30 Reynaud	38	0
9 Rutan	35	0
14 Lepine	48	0
7 Mileage 102.2	22	0
13 Clemens	24	0
19 Daylesford	31	0
18 Dixon	51	0
22 Naisberry	42	0
23 Whittome	45	0
21 Lenvale	66	0
17 Bremen	72	0
32 Hagen	66	0
27 Lipsett	53	0
61 Middle Lake	109	0
58 Yellow Creek	129	0
45 Meskanaw	80	0
46 Pilger	94	0
34 Fairy Glen	101	0
52 St. Benedict	105	0
35 Ethelton	69	0
37 Fulda	111	0
48 Gronlid	157	0
56 Alvena	192	0
<i>Points Remaining Open</i>		
44 Elstow	46	46
50 Weldon	195	195
55 Muenster	107	107
69 Naicam	204	204
36 Lac Vert	96	99
60 Aberdeen	181	186
39 Pleasantdale	96	109

(continued)

TABLE 4.7 NUMBER OF PERMIT HOLDERS BY DELIVERY POINT BEFORE AND AFTER DIVERSION, BASIS 1969-70 (concluded)

Delivery Point	Number of Permit Holders	
	Before Diversion	After Diversion
65 Viscount	68	77
67 Colonsay	85	96
28 Peterson	65	90
51 Meacham	143	158
29 Moseley	101	119
42 Hoey	122	141
54 Prud'homme	168	196
57 Domremy	200	243
59 St. Louis	93	117
53 Ridgedale	149	195
66 Star City	156	181
74 Humboldt	200	239
68 Bruno	203	251
31 Brancepeth	101	188
64 Vonda	131	202
63 St. Brieux	196	274
25 Resource	45	100
72 Birch Hills	211	331
75 Melfort	168	240
49 Carmel	142	252
62 Lake Lenore	264	388
40 Beatty	152	237
71 Kinistino	273	380
41 Brooksby	114	358
70 Cudworth	203	459
73 Wakaw	204	509
Study Area Total	7,086	7,086













## PART V

### REGULATION OF THE GRAIN INDUSTRY

There is an inherent unfairness in a situation where a large number of sellers face a few buyers. In Western Canada the existence of such a situation has led to the very high degree of regulation which characterizes the grain marketing industry today: grain elevators are regulated by the Canadian Grain Commission; grain marketers including the producers are regulated by the Canadian Wheat Board; and grain carriers--railways, truckers and lake vessel operators--are regulated by the Canadian Transport Commission as well as by the Canadian Grain Commission and the Canadian Wheat Board.

The following outline of the activity of the above regulatory bodies is not intended to be exhaustive by any means; however the most important regulations applying to producers, elevator operators and railways are covered. Because these regulations significantly influence the welfare of prairie farms and communities, they are complementary to the Prairie Regional Studies in Economic Geography.

#### Canada Grain Act, Revised Statutes of Canada 1970 Ch. G-16

The Canadian Grain Commission superseded the Board of Grain Commissioners for Canada on April 1, 1971, by virtue of an amended Canada Grain Act passed by the federal government in 1970. The definition of an elevator is one of several important changes in the Act (Section 2). For licensing purposes it is no longer required that an elevator be situated on a railway right-of-way. All premises which receive, weigh, elevate, store and discharge bulk grain into a transport conveyance and which meet certain construction standards specified by the Commission may be licensed to handle western grain.

For regulatory purposes the once familiar term, "country elevator", has been changed to "primary elevator" and is now defined as "an elevator the principal use of which is the receiving of grain directly from producers".

All costs of the Commission are borne by the federal treasury. The commissioners and their staff are public servants.

In the interests of the producers, the Commission establishes and maintains standards of quality for Canadian grain. Any grade or dockage dispute between producer and buyer is settled by sending a small sample of the grain to the Commission. Elevator operators must give farmers every opportunity to verify the weights of their grain.

The Commission may consent to the mixing of different grades of grain in terminal and transfer elevators. Without this consent no mixing is permitted. The Commission periodically checks the inventory of grain in all elevators.

Only a public carrier may transport grain described by an official grade name across a provincial boundary. Only a public carrier may transport grain from Western Canada to Eastern Canada or out of Canada. Public carriers may not deliver grain to primary elevators without the consent of the Commission.

Grain producers who qualify to ship a complete carload of grain to a terminal or a transfer elevator may have a rail car allocated to them for this purpose by the Commission. Where it is in the public interest so to do, the federal cabinet may order a railway company to spot cars for transporting grain at any point where service is provided. In such cases the grain producer has the right to select the elevator of his choice or to load directly into the rail car.

The car order book is no longer used as the legal instrument to ensure equity in rail car supply.

To provide for the orderly movement of grain, the Commission may issue regulations governing the activities of all licensed elevators.

The Commission may set maximum freight rates for the carriage of Canadian grain by lake vessel between points in Canada. This authority is given to the Commission by the Inland Water Freight Rates Act.

#### The Canadian Wheat Board Act, Revised Statutes of Canada 1970 Ch. C-12

The Canadian Wheat Board was created by the federal government in 1935 when the three prairie wheat pools, although they were backed by their respective provincial governments, could not withstand the tremendous financial pressures resulting from a great surplus of wheat on world markets and prices that were below production costs for wheat that was sold. Today the Board dominates the marketing of grain in Western Canada and makes an impact on the production of most crops grown there.

The Board consists of five commissioners appointed by the federal cabinet. Board members and support staff receive their salaries and wages from the proceeds of grain sold by farmers. In fact all the cost of operating the Board is borne by the grain producers, however they receive some assistance from the federal treasury for part of the cost of storing wheat in commercial elevators. (See outline of the Temporary Wheat Reserves Act which follows).

The Board has permanent offices in Winnipeg, Vancouver, Montreal, Tokyo and London, England. It uses the established grain export companies to make sales on an agency basis. There are 25 firms which export grain for the Board via the Lakehead and the eastern route and 17 firms which handle Board grain via ports on the Pacific Coast.

The Board has no assets of its own. It has no funds; it retains no profits. The money to pay for wheat, durum wheat, oats and barley delivered by the producers is obtained by borrowing from the chartered banks. The costs of this money is paid by the producers. The Board does not own or operate grain handling, storage or transportation facilities. It contracts with licensed primary elevator operators to act as buying and forwarding agents.

The object of the Board is to market grain in an orderly manner. This marketing function is limited to interprovincial and export trade. Grain grown and marketed within a province does not come under the jurisdiction of the Board although its authority does extend to all elevators, flour mills, feed mills, feed warehouses and seed cleaning mills.

The federal cabinet appoints an advisory committee, comprised of eleven members, at least six of them representing wheat producers.

Although the federal cabinet has authority to direct the Board how it is to operate, in practice it has a great deal of autonomy.

Elevators are operated for and on behalf of the Board. Only a Board agent may operate an elevator unless the Board excepts that elevator from provisions of the Canadian Wheat Board Act.

The Board has the authority to limit deliveries of grain by individual producers. This is accomplished by the issuing of permit books, by the fixing of delivery quotas at specified delivery points, and by some special delivery quotas for selected grain.

A bona fide grain producer is entitled to have a permit book issued to him by the Board. "Producer" includes the actual producer and any person entitled to the grain such as a landlord, a vendor or a mortgagee. The actual producer of the grain has the prior right to possession of the permit book and only one permit book may be issued per farm. Where two or more producers are entitled to the grain from a farm, no one of them may deliver in excess of his proper share of the delivery quota.

Only a producer may deliver grain to a licensed elevator subject to the provisions that he holds a permit book and that he goes to one of the two delivery points named in his permit book. While the Board has authority to designate delivery points, usually the producers are permitted to choose them.

The quantity of grain accepted from producers by elevator companies must not exceed the quota established at the time of delivery for the kind of grain being offered and for the point stipulated. A record of all deliveries must be entered in permit books.

The Board must buy whatever wheat, durum wheat, oats, and barley is offered by a bona fide producer provided that he has complied with all the orders and regulations of the Board. It must pay the appropriate initial payment on delivery. Generally this is done by the elevator operator acting on behalf of the Board. Payment for his costs is made upon the grain being delivered to the Board at a terminal or mill elevator.

A record of each grain delivery and the payment made, is entered in an accounting pool along with similar records for all other grain of like kind and grade marketed in the same crop year. Every producer shares in an equitable distribution of surplus funds in the pool at the end of its accounting period which coincides with the crop year.

Only grain taken into an elevator in accordance with orders and regulations of the Board may be loaded into a railway car.

The Board has the authority to order grain by grade loaded from elevators into railway cars or lake vessels. Grain is thus shipped out of country elevators according to orders issued by the Board to its agents, the elevator operators. The Board also has authority to prohibit the movement of any kind of grain from an elevator. It may allocate railway cars to specific persons or elevators at specific delivery points. In the ordinary course of events, however, it refrains from being so specific, preferring to allocate shipping orders and cars en masse to its agents for the movement of grain from elevators situated in specified loading blocks.

At the present time only grain produced in the so-called designated area comes under the jurisdiction of the Board, but this amounts to most of the grain produced in Canada. The designated area comprises all of Manitoba, Saskatchewan and Alberta, a small area in the Rainy River region of Ontario near the Manitoba border, and the Peace River and Creston-Wynndel areas of British Columbia.

After the Board has received payment for the wheat, durum wheat, oats and barley delivered to it, all charges against those crops are deducted before the remaining money is distributed in the form of a final payment to producers. These cheques are mailed from six to nine months after the pool has been closed for deliveries at the end of the crop year. The amount of the final payment depends on the grade of the grain and the price per bushel obtained by the Board.

The Board has authority to prohibit the export or import of wheat, durum wheat, oats and barley or any of their products. It may also prohibit the transportation of these grains from one province to another. Only the

Board may contract for the sale of these grains if they are destined any place outside the province in which they are grown. It may grant licenses for wheat, durum wheat, oats and barley to be exported, imported or moved across provincial boundaries.

Temporary Wheat Reserves Act, Statutes of Canada 1956 Ch. 2

According to the Minister of Trade and Commerce at the time, this Act was passed by the government of Canada in 1956 in lieu of establishing a two-price system for grain.

The legislation makes the federal government responsible for paying the costs of storage and bank interest for 365 days on wheat and durum wheat in excess of 178 million bushels that is held by the Canadian Wheat Board and that is in commercial storage at the opening of business on August 1, the start of each crop year. The rates paid per bushel are those prevailing on July 31, the last day of the previous crop year.

The purpose of the Act is to save the Canadian Wheat Board and thereby producers in Western Canada from the payment of carrying costs on abnormally large stocks of wheat and durum wheat. Without the Act the Wheat Board might be forced into panic selling in violation of its duty to market wheat in an orderly manner.

The federal treasury each month pays to the Canadian Wheat Board one-twelfth of the carrying charges on the excess stocks. This amount is prorated in the accounting pools and it is eventually paid out to producers as part of the final payment.

If the Wheat Board does not hold more than 178 million bushels at the beginning of a crop year, no payments are to be made for that or any following crop year. The Temporary Wheat Reserves Act would become null and void. This is why the Act has the word "temporary" in its title.

National Transportation Act, Revised Statutes of Canada 1970 Ch. N-17

The National Transportation Act became law in 1967 with the declaration that "an economic and efficient transportation system, making the best use of all available modes of transportation at the lowest total cost, is essential to protect the interests of the users of transportation and to maintain the economic well-being and growth of Canada ...".

The Act dissolved the Board of Transport Commissioners for Canada and established the Canadian Transport Commission comprised of seventeen members. Under the new Commission several committees were formed. The one that affects grain production and marketing in Western Canada is the Railway Transport Committee. It has five members.

The commissioners are appointed by the government of Canada. They and their staff are federal civil servants.

The Commission administers the Railway Act. It regulates and licenses any mode of transport in Canada; it controls rates and tariffs and it dispenses transport subsidies voted by Parliament.

Any person believing that a particular rate set by a carrier is prejudicial to the public interest may apply to the Commission for permission to appeal the rate. If an appeal is allowed and hearings are held, representatives of shippers, consignees, municipal governments and provincial governments are entitled to appear. Should the Commission be convinced that the rate in question is against the public interest, it may make an order requiring the carrier to change the rate.

The greatest impact of the National Transportation Act on the grain production and marketing system comes from provisions covering the abandonment of uneconomic branch railway lines. The definition of branch lines includes all subsidiary, secondary, local or feeder lines and segments of branch lines.

The Commission sets the rules governing the filing of abandonment applications and the determination of whether or not the branch line in the application is truly eligible for abandonment on economic grounds.

The Commission holds public hearings on the question of branch line abandonment and listens to all persons who wish to present their views. On the basis of the application and the hearing, the Commission determines if the branch line is uneconomic, if it is likely to remain so and if it should be abandoned. Only lines that incurred an operating loss in the last accounting year may be permitted to discontinue.

A hearing may cover several applications at the same time if the branch lines are in the same or adjoining areas. The Commission has authority to decide the order in which applications are considered. It may, however, ask the railway company for its order of preference.

In determining whether or not a branch line may be abandoned, some factors considered by the Commission are as follows: the public interest; the actual losses incurred; the alternative transportation facilities; the adjustment period required; the disruption to the economy of the communities and the area; the effect on other lines and other carriers; the feasibility of maintaining the line or any part of it by a) changing the method of operation, b) inter-connecting with another line, c) sale or lease of the line or part of it to another railway company, d) exchanging running rights, and e) constructing connecting lines with lines of another company; the known or potential resources of the area; the seasonal restrictions on other forms of transport; and the future transportation needs of the area.

When the Commission decides that a branch line or a segment of it is to be abandoned, a closing date is set from one month to five years after the issuance of the abandonment order. The railway company must cease its operation of the branch line on the specified date.

Where the Commission is not satisfied that a line should be abandoned, it orders the railway to continue its operation; however the abandonment application is reconsidered periodically in the light of any new conditions that may arise.

Even though no applications for abandonment of certain branch lines have been filed, the Commission may recommend the rationalization of railway lines through the exchange of branch lines between companies, through the exchange of running rights on other lines and through the connecting of lines of rival companies. The Commission may also recommend to the rail companies that applications for abandonment of branch lines be filed.

Where the Commission has determined that a branch line is uneconomic but the line continues to operate, the railway company is entitled to claim for the actual loss accruing to that line in each fiscal year. The Commission in such cases examines the figures in the claim and recommends to the Minister of Finance that the particular rail company be paid the verified amount of the loss.

The federal cabinet may designate specific branch lines that may not be abandoned for fixed periods of time. This was done for the so-called protected lines that may not be closed before January 1, 1975. If losses are incurred in the operation of such lines, a railway company may claim for losses even though no application has been filed. On the recommendation of the Commission, the claim may be paid.

The National Transportation Act confirms the statutory freight rates on grain set by the "Act to Authorize a Subsidy for a Railroad through the Crows Nest Pass" S.C. 1897 Ch. 5. For the first time statutory freight rates are established on grain moving by rail from prairie points to the Pacific Coast ports and Churchill for export at the levels prevailing on December 31, 1966. To change these rates now requires an Act of Parliament. Before the National Transportation Act was passed, the export freight rates to the Pacific were set by an order of the Board of Transport Commissioners and the level of these rates was established having regard to the Crows Nest rates on grain moving eastward to the Lakehead.



## APPENDIX

TABLE A.1 ALPHABETIC LIST OF COMMUNITIES AND RANK NUMBER IN THE MELFORT-WAKAW REGION

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60 Aberdeen	4 Irvington	24 Silver Park
56 Alvena	71 Kinistino	33 Smuts
40 Beatty	36 Lac Vert	66 Star City
72 Birch Hills	62 Lake Lenore	26 Tarnopol
31 Brancepeth	21 Lenvale	5 Thaxted
17 Bremen	11 Leofnard	8 Tiger Hills
41 Brooksby	14 Lepine	12 Totzke
68 Bruno	27 Lipsett	38 Tway
1 Burton Lake	51 Meacham	65 Viscount
49 Carmel	75 Melfort	64 Vonda
15 Carpenter	45 Meskanaw	6 Waitville
10 Claggett	61 Middle Lake	73 Wakaw
2 Clarkboro	7 Mileage 102.2	50 Weldon
13 Clemens	29 Moseley	23 Whittome
67 Colonsay	55 Muenster	58 Yellow Creek
47 Crystal Springs	69 Naicam	
70 Cudworth	22 Naisberry	
19 Daylesford	43 Pathlow	
18 Dixon	28 Peterson	
57 Domremy	46 Pilger	
44 Elstow	39 Pleasantdale	
20 Ens	54 Prud'homme	
35 Ethelton	3 Rak	
34 Fairy Glen	25 Resource	
16 Fenton	30 Reynaud	
37 Fulda	53 Ridgedale	
48 Gronlid	9 Rutan	
32 Hagen	52 St. Benedict	
42 Hoey	63 St. Brieux	
74 Humboldt	59 St. Louis	

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Estimated Numbers of Quarter Sections and Permit Holders By Distance  
From Delivery Points Before and After Diversion

Table A.2 shows the estimated number of quarter sections in each hinterland and their distances to a delivery point both before and after diversion. The number of quarter sections was obtained from hinterlands plotted on the basis of 1969-70 and the distance for each quarter section was measured in units of 1.0 mile after the manner described in the commentary for Table 3.15.

Table A.3 shows the estimated number of permit holders by their distance from a delivery point and it was derived from Table A.2 by converting quarter sections to numbers of permits. In both tables the delivery points are in two groups: namely: points assumed closed and points remaining open. This ordering is the same as that found in Part IV.

Taking Mileage 102.2 as an example, Table A.2 shows that in 1969-70 this point had 73 quarter sections in its hinterland, 28 of which were within a distance of 2 miles. Mileage 102.2 was assumed closed and its acreage diverted to the neighboring points of Melfort and Beatty (Table 4.2). The distance of each quarter section from its new delivery point was then measured and only one quarter section of the original Mileage 102.2 hinterland remained within 2 miles of a delivery point. Since each Mileage 102.2 permit holder farms an average of 3.64 quarter sections, 28 quarter sections represent about 7.5 permit holders and one quarter section represents about 0.5 permit holders (Table A.3).

From Table A.3 it is not possible to infer that the permit holders hauling a certain distance before closure are hauling the same distance after closure. For instance: it cannot be determined whether the 2.0 Mileage 102.2 permit holders hauling 7-8 miles before diversion are among the 3.5 permit holders hauling 7-8 miles after diversion.

To assist further in the interpretation of these tables, the following relationships are noted:

1. The subtotals before diversion of the points assumed closed plus the subtotals before diversion of the points remaining open equal the study area totals before diversion.
2. The subtotals after diversion of the points assumed closed plus the subtotals before diversion of the points remaining open equal the subtotals after diversion of the points remaining open.
3. Since the points remaining open after diversion account for all quarter sections (and all permit holders) their subtotals after diversion equal the study area totals after diversion.

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70

Average No. of Quarters Per Permit	Delivery Points	Points Assumed Closed	Distance in miles																																Total No. of Quarters																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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See footnotes at end of table (continued)

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70  
(continued)

Average No. of Quarters Per Permit <sup>a</sup>	Delivery Points	Distance in miles																				Total No. of Quarters	
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	37 & 38	39 & 40		
- number of quarter sections -																							
2.18	33 Smuts Before Diversion After Diversion	28	34	20	2	7	31	33	9	2												84 84	
2.48	47 Crystal Springs Before Diversion After Diversion	33	62	39	16	8	1	1														160 160	
2.76	30 Reynaud Before Diversion After Diversion	26	38	29	8	5	5	17	39	24	14	7										106 106	
3.69	9 Rutan Before Diversion After Diversion	39	52	19	8	10	1															129 129	
2.86	14 Lepine Before Diversion After Diversion	38	51	27	9	3	1															129 129	
3.64	7 Mileage 102.2 Before Diversion After Diversion	28	22	13	8	0	1	0	1													73 73	
3.19	13 Clemens Before Diversion After Diversion	11	23	18	11	6	2	1	2													74 74	
3.27	19 Daylesford Before Diversion After Diversion	24	37	25	5	5	3	2														101 101	
3.27	18 Dixon Before Diversion After Diversion	36	44	44	12	15	13	2	0	0	0	0	0	0	2							168 168	
2.78	22 Naisberry Before Diversion After Diversion	30	36	28	9	3																106 106	

(continued)

See footnotes at end of table

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70  
(continued)

Average No. of Quarters Per Permit <sup>a</sup>	Delivery Points	Distance in miles																												Total No. of Quarters
		1 & 2	3 & 4	5 & 5	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	37 & 38	39 & 40									
- number of quarter sections -																														
3.22	23 Whittome Before Diversion After Diversion	36	65	30	7	2	1	0	1																				142 142	
2.21	21 Lenvale Before Diversion After Diversion	28	43	28	19	11	3	3																					135 135	
3.02	17 Bremen Before Diversion After Diversion	47	72	59	22	8	6	1	0	1	0	2																	218 218	
2.54	32 Hagen Before Diversion After Diversion	37	44	41	28	5	0	1																					156 156	
2.98	27 Lipsett Before Diversion After Diversion	44	59	36	9	7	0	4																					159 159	
3.09	61 Middle Lake Before Diversion After Diversion	37	72	76	67	30	34	17	4																				337 337	
2.53	58 Yellow Creek Before Diversion After Diversion	43	82	78	45	26	13	2	0	1	1																		291 291	
3.63	45 Meskanaw Before Diversion After Diversion	44	77	70	40	21	0	4	3																				259 259	
2.66	46 Pilger Before Diversion After Diversion	38	64	63	52	23	6																						246 246	
2.04	34 Fairy Glen Before Diversion After Diversion	41	59	32	25	12	15	8	3																				195 195	

(continued)

See footnotes at end of table

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70  
(continued)

Average No. of Quarters Per Permit <sup>a</sup>	Delivery Points	Distance in miles																								Total No. of Quarters
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	37 & 38	39 & 40					
		- number of quarter sections -																								
2.90	52 St. Benedict Before Diversion After Diversion	42	85	82	39	36	14	2																300 300		
3.58	35 Ethelton Before Diversion After Diversion	48	83	66	30	11	2	0	0	2														242 242		
2.88	37 Fulda Before Diversion After Diversion	45	82	69	50	42	18	7	1															314 314		
2.51	48 Gronlid Before Diversion After Diversion	44	69	64	66	61	48	22	5	2	1	0	0	2										384 384		
2.41	56 Alvena Before Diversion After Diversion	40	95	131	97	46	17	7																433 433		
	Subtotal of Points Assumed Closed	1123	1719	1327	728	417	209	89	20	6	2	2	0	2	2									5,646 5,646		
	Before Diversion	20	172	552	792	873	810	686	659	481	340	161	61	29	10											
	After Diversion																									
	Points Remaining Open																									
4.08	44 Elstow Before Diversion After Diversion	22	49	47	42	14	0	1	5															180 180		
2.72	50 Weldon Before Diversion After Diversion	33	76	65	51	48	63	54	58	41	13	3	0	1	0	2	0	1						509 509		
3.10	55 Muenster Before Diversion After Diversion	37	79	62	47	36	16	7	0	1	0	0	1											286 286		
3.52	69 Naicam Before Diversion After Diversion	40	77	97	93	91	62	47	34	16	10	5	2	1	2	3								580 580		

See footnotes at end of table (continued)

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70  
(continued)

Average No. of Quarters Per Permit <sup>a</sup>	Delivery Points	Distance in miles																				Total No. of Quarters
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	37 & 38	39 & 40	
		- number of quarter sections -																				
3.31	36 Lac Vert Before Diversion After Diversion	36 36	61 61	55 55	48 48	53 59	43 44	19 21	11 11													326 335
3.36	60 Aberdeen Before Diversion After Diversion	48 48	103 103	143 144	124 125	71 74	40 44	30 30	21 22	5 13	3 6	3 3										597 612
3.05	39 Pleasantdale Before Diversion After Diversion	35 35	68 74	75 89	51 59	36 37	15 18	9 9	0 0	1 1												290 322
5.29	65 Viscount Before Diversion After Diversion	36 39	87 90	101 118	72 84	28 29	10 10	12 12	7 7	6 6	2 2	3 3										364 400
3.78	67 Colonsay Before Diversion After Diversion	30 30	86 93	86 113	63 71	31 31	7 7	0 0	2 2	0 0	2 2	0 0	3 3	2 2	1 1	4 4	1 1					316 358
3.51	28 Peterson Before Diversion After Diversion	48 48	82 89	71 82	24 48	1 15	3 6	2 2	2 2													233 292
3.48	51 Meacham Before Diversion After Diversion	41 41	94 98	97 122	84 99	85 92	52 52	20 20	12 12	3 3	3 3	1 1	0 0	0 0	2 2							494 545
2.73	29 Moseley Before Diversion After Diversion	39 44	67 70	63 67	36 51	20 39	15 19	9 9	5 5	2 5	2 2	5 5	2 2	0 0	1 1							269 319
3.16	42 Hoey Before Diversion After Diversion	44 44	75 75	65 66	48 57	30 50	24 38	24 25	22 22	15 15	7 7	3 3										357 402
3.16	54 Prud'homme Before Diversion After Diversion	44 44	92 93	110 123	102 136	90 96	29 38	10 11	3 3	8 8	0 0	1 1	4 4	0 0	0 0	0 0	1 1					494 558
2.73	57 Domremy Before Diversion After Diversion	44 44	90 95	95 107	87 98	69 82	58 90	35 56	16 19	3 3	5 5	6 6	1 1									509 606

See footnotes at end of table

(continued)

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70  
(continued)

Average No. of Quarters Per Permit <sup>a</sup>	Delivery Points	Distance in miles																				Total No. of Quarters
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	37 & 38	39 & 40	
		- number of quarter sections -																				
3.53	59 St. Louis Before Diversion After Diversion	33 33	57 57	79 83	64 81	47 80	27 34	5 5	1 1	4 4	0 0	3 3	1 1									321 382
3.10	53 Ridgedale Before Diversion After Diversion	40 40	91 91	109 80	80 73	65 73	34 46	20 39	7 34	1 20	12 10	5 5										447 559
3.09	66 Star City Before Diversion After Diversion	36 36	92 94	110 125	88 122	53 72	48 48	27 27	13 13	4 4	0 0	3 3										474 544
3.01	74 Humboldt Before Diversion After Diversion	37 37	88 99	81 104	77 102	61 84	57 71	46 46	40 40	47 47	31 31	19 20	7 10	0 15	0 10	0 0	0 0	1 1				592 717
2.83	68 Bruno Before Diversion After Diversion	46 46	98 98	134 136	109 126	86 119	51 101	18 37	3 15	6 6	2 2	0 0	0 0	0 0	1 1							554 687
2.61	31 Brancepeth Before Diversion After Diversion	35 35	58 58	54 54	54 55	29 35	11 23	5 28	2 41	1 41	0 46	0 25	1 10		2							250 453
3.58	64 Vonda Before Diversion After Diversion	38 38	93 94	104 105	84 90	62 92	31 77	16 57	10 29	1 13	0 1	0 0	0 0	1 1								440 597
3.58	63 St. Brieux Before Diversion After Diversion	36 37	95 95	102 106	111 130	130 122	106 122	70 96	22 76	8 60	3 29	0 12	0 0	0 0	0 0	2 2	4 4					689 904
2.29	25 Resource Before Diversion After Diversion	34 41	27 70	20 79	8 38	9 21	2 5															100 254
3.06	43 Pathlow Before Diversion After Diversion	43 43	89 98	56 112	14 71	8 37	1 17	0 0	1 1													212 379
2.85	72 Birch Hills Before Diversion After Diversion	41 41	93 99	109 132	74 116	47 98	45 101	40 70	11 41	6 34	6 30	1 6	1 1	1 1	1 1	1 1						476 771

See footnotes at end of table (continued)

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70  
(concluded)

Average No. of Quarters Per Permit <sup>a</sup>	Delivery Points	Distance in miles																				Total No. of Quarters
		1 & 2	3 4	5 6	7 8	9 10	11 12	13 14	15 16	17 18	19 20	21 22	23 24	25 26	27 28	29 30	31 32	33 34	35 36	37 38	39 & 40	
		- number of quarter sections -																				
3.12	75 Melfort Before Diversion After Diversion	34 35	83 103	89 147	81 153	53 108	38 46	23 23	17 17	32 32	22 22	24 24	13 13	3 3								512 726
3.06	49 Carmel Before Diversion After Diversion	44 45	94 97	80 115	59 105	51 113	47 124	33 90	8 42	0 2	1 1	3 3										420 737
2.96	62 Lake Lenore Before Diversion After Diversion	47 47	101 101	125 127	125 152	108 169	111 178	77 148	30 86	3 46	9 32	16 20	9 9	4 4	2 2	4 4	4 4	1 1				776 1,130
2.89	40 Beatty Before Diversion After Diversion	41 41	94 102	88 121	59 99	44 71	23 43	25 52	17 54	20 33	9 18	0 6	0 0	0 0	1 1							421 641
2.94	71 Kinistino Before Diversion After Diversion	46 46	97 98	122 135	103 123	95 136	106 158	94 152	59 110	21 72	25 49	13 24	10 2									781 1,125
2.92	41 Brooksby Before Diversion After Diversion	45 46	96 99	102 118	51 109	15 108	4 76	5 74	3 76	3 54	1 54	40 40	14 8									325 876
2.76	70 Cudworth Before Diversion After Diversion	47 48	97 115	105 154	136 243	84 230	37 165	23 125	3 103	0 72	0 52	0 26	0 9	1 2	1 1							534 1,345
2.42	73 Wakaw Before Diversion After Diversion	42 42	96 107	104 138	89 128	68 115	54 138	25 144	5 118		69 94	21 21	11 1									483 1,126
Subtotal of Points Remaining Open																						
Before Diversion		1342	2825	3005	2438	1818	1270	831	448	266	157	112	45	14	12	15	10	3				14,611
After Diversion		1362	2997	3557	3230	2691	2080	1517	1107	747	497	273	106	43	22	15	10	3				20,257
STUDY AREA TOTAL																						
Before Diversion		2465	4544	4332	3166	2235	1479	920	468	272	159	114	45	16	14	15	10	3				20,257
After Diversion		1362	2997	3557	3230	2691	2080	1517	1107	747	497	273	106	43	22	15	10	3				20,257

<sup>a</sup>Calculated by dividing the average number of acres per permit (mean size shown in Table 2.11) by 160 acres.

TABLE A.3 ESTIMATED NUMBER OF PERMIT HOLDERS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70

Actual No. 1969-70 Permits	Delivery Points	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	Estimated Total No. of Permits
		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	
- number of permit holders <sup>a</sup> -																				
Points Assumed Closed																				
15	8 Tiger Hills Before Diversion After Diversion	6.0	8.0	0.5																14.5 14.5
34	24 Silver Park Before Diversion After Diversion	10.5	17.0	4.0	2.5															34.0 34.0
38	15 Carpenter Before Diversion After Diversion	12.5	17.5	5.5	0.5	1.0														37.0 37.0
8	10 Claggett Before Diversion After Diversion	5.0	2.0	0.5																7.5 7.5
19	16 Fenton Before Diversion After Diversion	7.5	7.5	3.0	1.0	0.5	0.5													20.0 20.0
52	38 Tway Before Diversion After Diversion	13.5	18.5	14.5	2.0	2.0	0.5													51.0 51.0
40	12 Totzke Before Diversion After Diversion	12.0	17.5	9.5	1.5															40.5 40.5
26	11 Leofnard Before Diversion After Diversion	8.5	5.5	5.5	3.5	1.0	0.0	1.0												25.0 25.0
58	20 Ens Before Diversion After Diversion	9.5	17.0	15.0	7.5	4.5	3.0	1.5												58.0 58.0
39	33 Smuts Before Diversion After Diversion	13.0	15.5	9.0	1.0	3.0	14.0	15.5	4.0	1.0										38.5 38.5
66	47 Crystal Springs Before Diversion After Diversion	13.5	25.0	15.5	6.5	3.0	0.5	0.5												64.5 64.5

See footnotes at end of table

(continued)

TABLE A.3 ESTIMATED NUMBER OF PERMIT HOLDERS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70 (continued)

Actual No. 1969-70 Permits	Delivery Points	Distance in miles																		Estimated Total No. of Permits	
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36		
		- number of permit holders <sup>a</sup> -																			
38	30 Reynaud Before Diversion After Diversion	9.5	13.5	10.5	3.0	2.0	2.0	6.5	14.0	8.5	5.0	2.5									38.5 38.5
35	9 Rutan Before Diversion After Diversion	10.5	14.0	5.0	2.0	3.0	0.5	0.5													35.0 35.0
48	14 Lepine Before Diversion After Diversion	13.0	18.0	9.5	3.0	1.0	0.5	11.0	2.5	0.5											45.0 45.0
22	7 Mileage 102.2 Before Diversion After Diversion	7.5	6.0	3.5	2.0	0.0	0.5	1.5	0.0	0.5											20.0 20.0
24	13 Clemens Before Diversion After Diversion	3.5	7.0	5.5	3.5	2.0	0.5	0.5	0.5	0.5											23.0 23.0
31	19 Daylesford Before Diversion After Diversion	7.5	11.5	7.5	1.5	1.5	1.0	10.0	0.5	6.0											31.0 31.0
51	18 Dixon Before Diversion After Diversion	11.0	13.5	13.5	4.0	4.5	4.0	6.0	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5					51.5 51.5
42	22 Naisberry Before Diversion After Diversion	11.0	13.0	10.0	3.0	1.0	6.5														38.0 38.0
45	23 Whittome Before Diversion After Diversion	11.0	20.0	9.5	2.0	0.5	0.5	3.5	0.0	0.5											44.0 44.0
66	21 Lenvale Before Diversion After Diversion	12.5	19.5	12.5	8.5	5.0	1.5	9.5	14.0	12.5	1.0	2.0	2.0	0.5							61.0 61.0
72	17 Bremen Before Diversion After Diversion	15.5	23.5	19.5	7.5	2.5	2.0	14.5	0.5	0.0	0.5	0.0	0.5								72.0 72.0

See footnotes at end of table

(continued)

TABLE A.3 ESTIMATED NUMBER OF PERMIT HOLDERS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70 (continued)

Actual No. 1969-70 Permits	Delivery Points	Distance in miles																		Estimated Total No. of Permits
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	
		- number of permit holders <sup>a</sup> -																		
66	32 Hagen Before Diversion After Diversion	14.5	17.5	16.0	11.0	2.0	0.0	0.5												61.5 61.5
53	27 Lipsett Before Diversion After Diversion	15.0	20.0	12.0	3.0	2.0	0.0	1.5												53.5 53.5
109	61 Middle Lake Before Diversion After Diversion	12.0	23.5	24.5	21.5	10.0	11.0	5.5	1.0											109.0 109.0
129	58 Yellow Creek Before Diversion After Diversion	17.0	32.5	30.5	18.0	10.5	5.0	0.5	0.0	0.5										115.0 115.0
80	45 Meskanaw Before Diversion After Diversion	12.0	21.0	19.5	11.0	6.0	0.0	1.0	1.0											71.5 71.5
94	46 Pilger Before Diversion After Diversion	14.5	24.0	23.5	19.5	8.5	2.5													92.5 92.5
101	34 Fairy Glen Before Diversion After Diversion	20.0	29.0	15.5	12.0	6.0	7.5	4.0	1.5											95.5 95.5
105	52 St. Benedict Before Diversion After Diversion	14.5	29.0	28.5	13.5	12.5	5.0	0.5												103.5 103.5
69	35 Ethelton Before Diversion After Diversion	13.5	23.5	18.5	8.5	3.0	0.5	0.0	0.0	0.5										68.0 68.0
111	37 Fulda Before Diversion After Diversion	15.5	28.5	24.0	17.5	14.5	6.0	2.5	0.5											109.0 109.0
157	48 Gronlid Before Diversion After Diversion	17.5	27.5	25.5	26.0	24.0	19.0	9.0	2.0	1.0	0.5	0.0	0.0	1.0						153.0 153.0

See footnotes at end of table

(continued)

TABLE A.3 ESTIMATED NUMBER OF PERMIT HOLDERS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70 (cont inued)

Actual No. 1969-70 Permits	Delivery Points	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	Distance in miles						29 & 30	31 & 32	33 & 34	35 & 36	Estimated Total No. of Permits		
								13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24						25 & 26	27 & 28
192	56 Alvena Before Diversion After Diversion	16.5 0.5	39.5 0.5	54.5 0.5	40.0 8.5	19.0 15.5	7.0 32.0	3.0 46.0	- number of permit holders <sup>a</sup> -										179.5 179.5	
2,135	Subtotal of Points Assumed Closed																			
	Before Diversion	406.5	626.0	481.5	267.5	153.0	79.0	34.5	7.5	2.5	1.0	0.5	0.0	0.5	1.0	0.5	0.5	2,061.0		
	After Diversion	8.0	59.5	187.0	278.0	315.5	300.5	258.5	246.5	178.5	130.5	61.5	23.0	11.0	3.0			2,061.0		
	Points Remaining Open																			
46	44 Elstow Before Diversion After Diversion	5.5 5.5	12.0 12.0	11.5 11.5	10.0 10.0	3.5 3.5	0.0 0.0	0.5 0.5											44.0 44.0	
195	50 Weldon Before Diversion After Diversion	12.0 12.0	28.0 28.0	24.0 24.0	18.5 18.5	17.5 17.5	23.0 23.0	20.0 20.0	21.5 21.5	15.0 15.0	4.5 4.5	1.0 1.0	0.0 0.0	0.5 0.5	0.0 0.0	1.0 1.0	0.0 0.5	187.0 187.0		
107	55 Muenster Before Diversion After Diversion	12.0 12.0	25.5 25.5	20.0 20.0	15.0 15.0	11.5 11.5	5.0 5.0	2.5 2.5	0.0 0.0	0.5 0.5	0.0 0.0	0.0 0.0	0.5 0.5					92.5 92.5		
204	69 Naicam Before Diversion After Diversion	11.5 11.5	22.0 22.0	27.5 27.5	26.5 26.5	26.0 26.0	17.5 17.5	13.0 13.0	9.5 9.5	4.5 4.5	3.0 3.0	1.5 1.5	0.5 0.5	0.5 0.5	0.5 0.5	1.0 1.0		165.0 165.0		
96	36 Lac Vert Before Diversion After Diversion	11.0 11.0	18.5 18.5	16.5 16.5	14.5 14.5	16.0 17.5	13.0 13.5	5.5 6.0	3.5 3.5										98.5 101.0	
181	60 Aberdeen Before Diversion After Diversion	14.5 14.5	30.5 30.5	42.5 43.0	37.0 37.5	21.0 22.0	12.0 14.0	9.0 9.0	6.0 6.5	2.5 4.0	1.5 2.0	1.0 1.0								177.5 184.0
96	39 Pleasantdale Before Diversion After Diversion	11.5 11.5	22.0 24.5	24.5 30.0	16.5 19.5	12.0 12.5	5.0 6.0	3.0 3.0	0.0 0.0	0.0 0.0	0.5 0.5								95.0 107.5	
68	65 Viscount Before Diversion After Diversion	7.0 8.0	16.5 17.5	19.0 23.5	13.5 16.5	5.5 5.5	2.0 2.0	2.0 2.0	1.5 1.5	1.0 1.0	0.5 0.5	0.5 0.5								69.0 78.5

(continued)

See footnotes at end of table

TABLE A.3 ESTIMATED NUMBER OF PERMIT HOLDERS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70 (continued,

Actual No. 1969-70 Permits	Delivery Points	Distance in miles																		Estimated Total No. of Permits
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	
- number of permit holders <sup>a</sup> -																				
85	67 Colonsay Before Diversion After Diversion	8.0 8.0	22.5 24.5	22.5 30.0	16.5 18.5	8.0 8.0	2.0 2.0	0.0 0.0	0.0 0.0	0.5 0.5	0.0 0.0	0.0 0.0	1.0 1.0	0.5 0.5	0.5 0.5	1.0 1.0	0.5 0.5	1.0 1.0	0.5 0.5	83.5 95.0
65	28 Peterson Before Diversion After Diversion	12.0 12.0	20.0 23.0	17.0 22.0	6.0 16.0	0.5 6.5	1.0 2.0	0.5 0.5	0.5 0.5											57.5 82.5
143	51 Meacham Before Diversion After Diversion	12.0 12.0	27.0 28.0	28.0 35.0	24.0 28.0	24.0 26.0	15.0 15.0	5.5 5.5	3.5 3.5	1.0 1.0	1.0 1.0	0.5 0.5	0.0 0.0	0.0 0.0	0.0 0.0	0.5 0.5				142.0 156.0
101	29 Moseley Before Diversion After Diversion	14.0 16.0	24.0 25.0	22.5 24.0	13.0 18.0	7.5 14.0	5.5 7.0	3.5 3.5	2.0 2.0	2.0 2.0	1.0 1.0	2.0 2.0	1.0 1.0	0.0 0.0	0.0 0.0	0.5 0.5				98.5 116.0
122	42 Hoey Before Diversion After Diversion	14.0 14.0	24.0 24.0	20.5 21.0	15.0 18.5	9.5 17.0	7.5 13.0	7.5 8.0	7.0 7.0	5.0 5.0	2.0 2.0	1.0 1.0								113.0 130.5
168	54 Prud'homme Before Diversion After Diversion	14.0 14.0	29.0 29.5	35.0 39.5	32.5 45.5	28.5 30.5	9.0 12.5	3.0 3.5	1.0 1.0	2.5 2.5	0.0 0.0	0.5 0.5	1.0 1.0	0.0 0.0	0.0 0.0	0.5 0.5				156.5 180.5
200	57 Domremy Before Diversion After Diversion	16.0 16.0	33.0 35.0	35.0 40.5	32.0 37.0	25.0 31.0	21.0 34.0	13.0 22.0	6.0 7.5	1.0 1.0	2.0 2.0	2.0 2.0	0.5 0.5							186.5 228.5
93	59 St. Louis Before Diversion After Diversion	9.5 9.5	16.0 16.0	22.5 24.0	18.0 24.5	13.0 25.0	7.5 10.5	1.5 1.5	0.5 0.5	1.0 1.0	0.0 0.0	1.0 1.0	0.5 0.5							91.0 114.0
149	53 Ridgedale Before Diversion After Diversion	13.0 13.0	29.0 29.0	35.0 35.0	26.0 26.0	21.0 24.0	11.0 16.0	6.5 14.0	2.0 12.5	0.5 8.0		4.0 5.0	2.0 2.0							144.0 188.5
156	66 Star City Before Diversion After Diversion	11.5 11.5	30.0 30.5	35.5 41.0	28.5 40.0	17.0 23.0	15.5 15.5	9.0 9.0	4.0 4.0	1.5 1.5	0.0 0.0	1.0 1.0								153.5 177.0
200	74 Humboldt Before Diversion After Diversion	12.5 12.5	29.0 32.5	27.0 34.0	25.5 33.5	20.0 27.5	19.0 24.0	15.0 15.0	13.5 13.5	15.5 15.5	10.0 10.0	6.5 7.0	2.5 3.5	0.0 5.0	0.0 3.0	0.0 0.0	0.0 0.0	0.5 0.5		196.5 237.0

(continued)

See footnotes at end of table

TABLE A.3 ESTIMATED NUMBER OF PERMIT HOLDERS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70 (continued)

Actual No. 1969-70 Permits	Delivery Points	Distance in miles																		35 & 36	Estimated Total No. of Permits
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34			
		- number of permit holders <sup>a</sup> -																			
203	68	Bruno Before Diversion After Diversion	16.0 16.0	34.5 34.5	47.5 48.5	38.5 44.5	30.5 42.0	18.0 35.0	6.5 14.0	1.0 5.5	2.0 2.0	1.0 1.0	0.0 0.0	0.0 0.0	0.0 0.0	0.5 0.5					196.0 243.5
101	31	Brancepeth Before Diversion After Diversion	13.5 13.5	22.5 22.5	20.5 20.5	20.5 21.0	11.0 13.5	4.0 9.0	2.0 10.0	1.0 15.0	0.5 16.0	0.0 18.5	0.0 10.0	0.5 4.0							96.0 174.0
131	64	Vonda Before Diversion After Diversion	10.5 10.5	26.0 26.5	29.0 29.5	23.5 26.0	17.0 30.5	8.5 29.0	4.5 22.0	3.0 11.0	0.5 5.5	0.0 0.5	0.0 0.0	0.0 0.0	0.5 0.5						123.0 191.5
196	63	St. Brieux Before Diversion After Diversion	10.0 10.5	26.5 26.5	28.5 30.0	31.5 36.5	36.5 38.5	29.5 34.5	19.5 28.0	6.0 24.0	2.0 20.5	1.0 10.5	0.0 4.5	0.0 0.0	0.0 0.0	0.0 0.0	0.5 0.5	1.0 1.0			192.5 265.5
45	25	Resource Before Diversion After Diversion	15.0 17.5	11.5 26.0	8.5 29.0	3.5 14.0	4.0 8.5	1.0 2.0													43.5 97.0
69	43	Pathlow Before Diversion After Diversion	14.0 14.0	29.0 31.5	18.5 35.5	4.5 22.0	2.5 11.0	0.5 5.5	0.0 0.0	0.5 0.5											69.5 120.0
211	72	Birch Hills Before Diversion After Diversion	14.5 14.5	32.0 34.5	38.0 47.5	26.0 43.0	16.5 37.0	16.0 37.5	14.0 25.5	4.0 16.0	2.0 13.5	2.0 11.5	0.5 2.5	0.5 0.5	0.5 0.5	0.5 0.5					167.0 284.5
168	75	Melfort Before Diversion After Diversion	11.0 11.5	26.5 32.5	28.5 47.0	26.0 49.5	17.5 36.5	12.0 14.5	7.5 7.5	5.5 10.0	10.0 7.0	7.0 7.5	7.5 4.0	4.0 4.0	1.0 1.0						164.0 234.0
142	49	Carmel Before Diversion After Diversion	14.5 15.0	31.0 32.0	26.0 36.5	19.5 34.5	16.5 37.5	15.0 41.5	11.0 31.0	2.5 15.0	0.0 0.5	0.5 0.5	1.0 1.0								137.5 245.0
264	62	Lake Lenore Before Diversion After Diversion	16.0 16.0	34.0 34.0	42.0 43.0	42.0 51.5	36.5 58.0	37.5 60.5	26.0 50.0	10.0 29.5	1.0 15.5	3.0 11.0	5.5 7.0	3.0 3.0	1.5 1.5	0.5 0.5	1.5 1.5	1.5 1.5	0.5 0.5		262.0 384.5
152	40	Beatty Before Diversion After Diversion	14.0 14.0	32.5 34.5	30.5 39.5	20.0 31.5	15.5 23.5	8.0 15.0	8.5 21.0	6.0 23.0	7.0 13.0	3.0 7.5	0.0 2.5	0.0 0.0	0.0 0.0	0.5 0.5					145.5 225.5

See footnotes at end of table

(continued)

TABLE A.3 ESTIMATED NUMBER OF PERMIT HOLDERS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, MELFORT-WAKAW REGION, 1969-70 (concluded)

Actual No. 1969-70 Permits	Delivery Points	Distance in miles																		Estimated Total No. of Permits	
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36		
- number of permit holders <sup>a</sup> -																					
273	71 Kinistino Before Diversion After Diversion	15.5 15.5	33.0 33.5	41.5 45.0	35.0 40.5	32.5 44.0	36.0 50.5	32.0 48.0	20.0 37.0	7.0 20.5	8.5 16.0	4.5 8.5	4.0	1.0						265.5 364.0	
114	41 Brooksby Before Diversion After Diversion	15.5 16.0	33.0 34.5	35.0 41.0	17.5 41.0	5.0 43.5	1.5 32.5	1.5 31.5	1.0 32.5	1.0 23.0	0.5 23.0	0.5 16.5	6.0	3.5						111.5 344.5	
203	70 Cudworth Before Diversion After Diversion	17.0 17.5	35.0 41.5	38.0 55.5	49.5 87.5	30.0 83.0	13.5 60.0	8.5 47.0	1.0 37.5	0.0 26.0	0.0 18.5	0.0 8.5	0.0 2.5	0.5 1.0	0.5 0.5					193.5 486.5	
204	73 Wakaw Before Diversion After Diversion	17.0 17.0	40.0 45.0	43.0 58.0	36.5 54.0	28.0 46.5	22.5 56.0	10.5 57.0	2.0 45.5	36.5 26.0	7.5 26.0	7.5 7.5	4.0	0.5						199.5 449.0	
4,951	Subtotal of Points Remaining Before Diversion After Diversion	Open 435.5 443.5	905.5 965.0	961.0 1148.0	782.5 1060.5	586.5 902.0	415.0 715.5	272.5 531.0	146.5 393.0	87.0 265.5	52.5 183.0	37.5 99.0	15.5 38.5	5.5 16.5	4.5 7.5	5.0 5.0	3.5 3.5	1.5 1.5		4,717.5 6,778.5	
7,086	Study Area Total Before Diversion After Diversion	842.0 443.5	1531.5 965.0	1442.5 1148.0	1050.0 1060.5	739.5 902.0	494.0 715.5	307.0 531.0	154.0 393.0	89.5 265.5	53.5 183.0	38.0 99.0	15.5 38.5	6.5 16.5	5.0 7.5	5.0 5.0	3.5 3.5	1.5 1.5		6,778.5 6,778.5	

<sup>a</sup>The number of permit holders was calculated from Table A.2 as follows: number of quarter sections divided by the average number of quarters per permit (rounded to the nearest one half permit).

### Communities Other Than Grain Delivery Points in the Melfort-Wakaw Region

While this series of reports is primarily concerned with communities that serve as grain collection points, an attempt is also made to at least be aware of other social and economic entities or activities in a given region. One such entity is the community that is not a grain delivery point.

Usually it has been found that a list of all past and present grain delivery points in a particular area account for all existent communities. This, however, is not the case in the Melfort-Wakaw region. Table A.4 lists seven places which are not grain delivery points and notes several characteristics about each. While a map of the study area shows the names of more places that are not delivery points for grain, fewer than 10 persons live in any of them.

Populations in 1971 of the communities shown in Table A.4 range from 25 at Marysburg to 192 at Annaheim. A farm implement manufacturing plant (Doepker Industries Ltd.) is the major economic activity in Annaheim and the relatively high postal revenue can probably be attributed to the postal requirements of this firm.

In the context of rail line and grain handling rationalization, it is interesting to note that all but one (Dana) of the seven communities listed are off-line points, that is, they are not located on a rail line, and none have ever had a country elevator. It can be said, therefore, that the seven communities in Table A.4 do not depend on any grain delivery function for their continued existence.

TABLE A.4 COMMUNITIES OTHER THAN GRAIN DELIVERY POINTS IN THE MELFORT-WAKAW REGION

Community	Class or Legal Status	Population 1969 1971		Location R.M.	Post Office Revenue 1970-71
Annaheim	H(0)	190	192	369. St. Peter	\$2,651.00
Batoche	H	8	27	431. St. Louis	\$212.00
Dana (CNR)	H	96	78	371. Bayne	Cls. 29/5/70
Marysburg	H	29	25	370. Humboldt	Cls. 14/8/70
Northern Light	H	20	n.a.	431. St. Louis	N.P.O.
St. Denise	H	32	51	372. Grant	\$760.00
St. Isidore de Bellevue	H	180	122	431. St. Louis	\$1,296.00

n.a. - Not Available.

Cls. - Closed day/month/year

H - unorganized hamlet with population of more than 10

H(0) - organized hamlet

N.P.O. - no record of ever having had a post office.

Source: Directory of Hamlets and Settlements, 1969 and 1972, Saskatchewan Department of Municipal Affairs, Regina.  
Canada Post Office Department, Saskatoon.

#### Hospital Services in the Study Area

Six public hospitals are located in the study area. Table A.5 shows the rated bed size, number of inpatients treated per year and the estimated number of people served by each hospital. In 1966 the total population in the study area was 51,322 (Table 1.6). The apportioned population served in 1966 by the six hospitals was 38,859.

TABLE A.5 HOSPITAL SERVICES IN THE STUDY AREA

Year	Rated Bed Size <sup>a</sup>	Inpatients Treated <sup>b</sup>	Apportioned Population <sup>c</sup>
<i>Cudworth, St. Michael's Hospital</i>			
1963	17	812	3,857
1964	17	804	3,861
1965	20	810	3,497
1966	20	881	3,717
1967	20	823	3,904
1968	20	781	3,878
1969	20	701	3,320
1970	20	682	3,290
1971	20	834	3,263
<i>Kinistino, Kinistino Union Hospital</i>			
1963	16	668	2,937
1964	16	658	3,084
1965	16	638	2,272
1966	16	765	2,649
1967	16	743	2,374
1968	16	650	2,043
1969	16	742	2,315
1970	16	674	2,011
1971	16	605	1,829
<i>Birch Hills, Birch Hills Memorial Union Hospital</i>			
1963	15	905	3,224
1964	15	944	3,349
1965	15	810	2,876
1966	15	792	2,807
1967	15	880	3,126
1968	15	863	3,213
1969	15	818	3,074
1970	15	700	2,833
1971	15	1,004	3,353
<i>Wakaw, Wakaw Union Hospital</i>			
1963	24	1,188	4,938
1964	24	1,174	4,817
1965	24	1,245	4,724
1966	24	1,171	4,868
1967	24	1,095	4,407
1968	24	1,071	4,725
1969	24	1,142	4,943
1970	24	1,020	4,332
1971	26	1,186	4,551

See footnotes at end of table

(continued)

TABLE A.5 HOSPITAL SERVICES IN THE STUDY AREA (concluded)

Year	Rated Bed Size <sup>a</sup>	Inpatients Treated <sup>b</sup>	Apportioned Population <sup>c</sup>
<i>Humboldt, St. Elizabeth's Hospital</i>			
1963	75	2,966	13,890
1964	75	3,118	14,271
1965	75	3,077	12,521
1966	75	3,077	12,982
1967	75	2,997	13,363
1968	85	2,695	12,752
1969	85	2,982	13,233
1970	85	2,955	12,476
1971	81	2,960	11,811
<i>Melfort, Melfort Union Hospital</i>			
1963	84	3,045	12,457
1964	84	2,964	12,024
1965	84	3,123	11,645
1966	85	3,060	11,836
1967	85	3,166	12,592
1968	85	2,956	12,639
1969	85	3,128	12,968
1970	85	2,908	12,358
1971	85	2,766	11,271

<sup>a</sup>The maximum number of beds which, according to the Saskatchewan Department of Health, should be set up in the hospital based on local need combined with physical facilities.

<sup>b</sup>The number of inpatient separations by discharge or death during the year.

<sup>c</sup>For a given hospital, rural municipality and calendar year, the apportioned population is calculated by dividing the number of municipal residents discharged from the given hospital by the total number of discharges from all Saskatchewan public hospitals of persons from the given municipality, multiplied by the total population of the municipality. This is said to be the population served by the hospital.

Source: Saskatchewan Hospital Services Plan, Department of Health, Regina, Saskatchewan.

Chronology of Government Legislation, Court Rulings, Board Orders, Regulations, etc., Having an Impact on Production and Marketing of Grain in Western Canada

- 1872      Dominion Land Act S.C. 1872, C.6.
- 1876      First export of wheat from the Prairies.
- 1878      St. Paul Railway entered Winnipeg.
- 1881      First elevator built in Western Canada.
- 1881      Canadian Pacific Railway completed between Fort William and Winnipeg.
- 1882      First cargo of wheat left the Lakehead (Fort William).
- 1883      First elevator built at the Lakehead (Port Arthur).
- 1885      First all-Canadian rail link (Canadian Pacific) between the Prairies and Pacific Coast opened.
- 1887      Formation of the Winnipeg Grain Exchange.
- 1897      An Act to authorize a subsidy for a Railroad through the Crows Nest Pass S.C. 1897, C.5. (Crows Nest Freight rates on western grain moving to Fort William).
- 1899      Royal Commission on the Shipment and Transportation of Grain.
- 1900      Manitoba Grain Act S.C. 1900, C.39.
- 1904      Building of the Western portion of the Grand Trunk Pacific to Prince Rupert. (Completed 1912).
- 1904      Grain Inspection Act S.C. 1904, C.15.
- 1905      Introduction of Marquis Wheat.
- 1906      Royal Commission on the Grain Trade in Canada.
- 1908      Winnipeg Grain Exchange reformed to become an unincorporated voluntary association.
- 1911      Act creating the Saskatchewan Co-operative Elevator Company.
- 1912      Canada Grain Act S.C. 1912, C.27. et seq.
- 1912      First Canadian Government Elevator opened, at Port Arthur.

- 1914 First Canadian Government Interior Terminal Elevators opened, at Moose Jaw and Saskatoon.
- 1915 Panama Canal opened.
- 1916 First Canadian Government Elevator on the Pacific Coast opened.
- 1916 United Grain Growers formed from amalgamation of three grain growers associations and the Alberta Farmers' Co-op Elevator Company.
- 1917 Board of Grain Supervisors P.C. 1917-1552 (to June 6, 1919).
- 1919 Soldiers Settlement Act S.C. 1919, C.19. et seq.
- 1919 Canadian Wheat Board Act S.C. 1919, C.9 (to 1922).
- 1923 Royal Grain Inquiry Commission P.C. 1923-774.
- 1923 Prairie Wheat Pools formed.
- 1925 Major revision of the Canada Grain Act.
- 1928 Select Standing Committee of the House of Commons dealt with the grading of wheat by protein content.
- 1929 Hudson Bay Railway completed to Port Churchill.
- 1929 Welland Ship Canal expanded and modernized.
- 1929 Prairie Provincial Governments guaranteed bank loans to the three Wheat Pools.
- 1930 Dominion Government provided financial assistance to the banks and the provincial governments covering grain loans.
- 1930 Mr. John I. McFarland appointed by the Federal Government as general manager of the Canadian Co-operative Wheat Producers' Ltd.
- 1930 Revision of the Canada Grain Act S.C. 1930, C.5. et seq.
- 1931 Prairie Wheat Pools separated from their Central Selling Agency. the Canadian Co-operative Wheat Producers Ltd.
- 1931 An Act Respecting Wheat S.C. 1931, C.60. (5¢ freight subsidy).
- 1931 Commission to Inquire into Trading in Grain Futures P.C. 1931-853.
- 1931 Grain Marketing Act S.S. 1931, C.87 (100% pool).
- 1931 First shipment of wheat through Port Churchill.

- 1932 Ottawa Economic Conference - Canada obtained preference on wheat in British market.
- 1933 United States legislation, the Agricultural Adjustment Act; parity prices established.
- 1933 Commodity Credit Corporation established in U.S.A.
- 1933 London Wheat Conference and subsequent International Wheat Agreement.
- 1934 Farmers' Creditors Arrangement Act S.C. 1934, C.53.
- 1934 Natural Products Marketing Act S.C. 1934, C.57.
- 1934 Natural Products Marketing Act ruled ultra vires of the Dominion Government by the Supreme Court of Canada.
- 1934 Emergency Wheat Control Act S.M. 1934, C.48.
- 1935 Prairie Farm Rehabilitation Act S.C. 1935, C.23. et seq.
- 1935 Canadian Wheat Board Act S.C. 1935, C.53. et seq.
- 1936 Royal Grain Inquiry Commission P.C. 1936-1577.
- 1938 Canada-United States trade agreement (abrogated British preference on Canadian Wheat).
- 1939 Agricultural Products Co-operative Marketing Act S.C. 1939, C.28. et seq.
- 1939 Grain Futures Act S.C. 1939, C.31.
- 1939 Prairie Farm Assistance Act S.C. 1939, C.50. et seq.
- 1939 Canadian Wheat Board opened Eastern office in Toronto.
- 1940 First implementation of delivery quota system of control over western grain marketing.
- 1941 Wheat Acreage Reduction P.C. 1941-3047.
- 1941 Feed Freight Assistance Regulation P.C. 1941-7523. et seq.
- 1942 Wheat Acreage Reduction Act S.C. 1942, C.10.
- 1942 Veterans Land Act S.C. 1942-43, C.33. et seq.
- 1943 Wheat Futures Trading discontinued on the Winnipeg Grain Exchange; Canadian Wheat Board made exclusive marketing agency for wheat.

- 1944 Farm Improvement Loans Act S.C. 1944, C.41. et seq.
- 1944 Agricultural Prices Support Act S.C. 1944, C.29.
- 1944 Canadian Wheat Board Act amended to exempt the Board from authority in marketing Eastern Wheat P.C. 1944-5640.
- 1945 The Food and Agriculture Organization of the United Nations Act, S.C. 1945, C.4 et seq.
- 1946 United Kingdom Wheat Agreement.
- 1948 Canadian Wheat Board empowered to control interprovincial movement of wheat products.
- 1948 International Wheat Agreement (No. 1) P.C. 1948-1016.
- 1949 Manitoba Coarse Grain Marketing Control Act R.S.M. 1954, C.41.
- 1949 Saskatchewan Grain Marketing Act R.S.S. 1953, C.241.
- 1949 Alberta Coarse Grain Marketing Control Act S.A. 1949, C.25.
- 1949 Marketing of oats and barley brought under the Canadian Wheat Board.
- 1951 Appropriations Act No. 2 S.C. 1951, C.2, provided for a grant of \$65 million to the 1945-49 Pool as settlement to Western grain producers for participation in the United Kingdom Wheat Agreement.
- 1951 St. Lawrence Seaway Authority Act S.C. 1951, C.24. et seq.
- 1951 Prairie Grain Producers Interim Financing Act S.C. 1951, C.20. et seq.
- 1952 Extension of Colombo Plan to wheat aid
- 1953 International Wheat Agreement (No. 2) P.C. 1953-556.
- 1953 Application of accelerated depreciation for income tax purposes to commercial grain storage facilities.
- 1954 Canada-Japan trade agreement extended M.F.N. rates to Japan and opened Japanese market to Canadian grain.
- 1954 Inauguration of United States Public Law 480.
- 1955 Churchill elevator capacity doubled.
- 1955 GATT resolution on surplus disposal.
- 1956 Canada-USSR trade agreement extended M.F.N. rates to U.S.S.R., which government agreed to buy 1.2 million tons of Canadian Wheat.

- 1956 First shipment of flour to United Nations Relief and Works Agency.
- 1956 Prairie Grain Producers Interim Financing Act, S.C. 1956, C.1.
- 1956 Temporary Wheat Reserves Act S.C. 1956, C.2.
- 1956 International Wheat Agreement (No. 3) P.C. 1953-734.
- 1957 Prairie Grain Advance Payments Act S.C. 1957, C.2.
- 1957 Establishment of FAO Group on Grains.
- 1957 Agricultural Stabilization Act S.C. 1957, C.22. Succeeded the Agricultural Prices Support Act.
- 1957 Treaty of Rome established the European Common Market.
- 1958 First time that the Canadian Wheat Board failed to make a final payment (Oats Pool, 1956-57).
- 1958 Grain Farmers march on Ottawa.
- 1958 Western Grain Producers Acreage Payment Regulations P.C. 1958-1442.
- 1958 Bracken Enquiry into the Distribution of Railway Boxcars P.C. 1958-181.
- 1959 Supreme Court upheld the Board of Transport Commissioners' ruling that demurrage charges on boxcars is permitted at terminal elevators after ten days.
- 1959 Cabinet suspended Board of Transport Commissioners' ruling on demurrage.
- 1959 International Wheat Agreement (No. 4) P.C. 1959-480.
- 1959 Formal institution of Canada-United States Quarterly Meetings on wheat and related matters.
- 1959 Food for Peace Conference (Wheat Utilization Committee).
- 1959 Bracken formula for boxcar allocation instituted.
- 1959 St. Lawrence Seaway opened,
- 1959 Canadian Wheat Board pricing policy changed to take advantage of new freight conditions consequent on St. Lawrence Seaway opening.
- 1959 Crop Insurance Act S.C. 1959, C.42 et seq. Crop Insurance Test Areas Act S.M. 1959, C.14; the Saskatchewan Crop Insurance Act S.S. 1960, C.57.

- 1959 Royal Commission on Transportation P.C. 1959-577.
- 1960 Prairie Grain Provisional Payments Act S.C. 1960, C.2.
- 1960 Prairie Grain Loans Act S.C. 1960, C.1.
- 1960 Freedom from Hunger Campaign.
- 1960 Western Grain Producers Acreage Payment Regulations, 1960.
- 1960 Addition of Title IV to United States Public Law 480.
- 1960 Canadian Wheat Board instituted off-quota feed mill policy.
- 1961 Railway Act amended to include rapeseed as a grain.
- 1961 Report of the Royal Commission on Transportation (MacPherson) recommended branch line abandonment and subsidy to cover losses on grain transport.
- 1961 Agricultural Rehabilitation and Development Act S.C. 1961, C.30.
- 1961 Sale of wheat to China under long term credits negotiated by the Canadian Wheat Board.
- 1962 EEC Ministerial decision implemented the Common Agricultural Policy.
- 1962 Western Grain Producers Acreage Payment Regulations, 1962.
- 1962 Extension of U.S.A. Title IV P.L. 480 provisions to the private grain trade.
- 1962 Canadian dollar value fixed at exchange rate of 92 1/2¢ vis-a-vis the U.S. dollar.
- 1962 Introduction of the European Common Market Grain Regulations, including the import levy system.
- 1962 International Wheat Agreement (No. 5) P.C. 1962-631.
- 1963 Inauguration of the World Food Program.
- 1963 World Food Congress (Freedom from Hunger) Washington, June.
- 1963 Winter Storage Subsidy on feed grain in Eastern elevators paid by Federal government.
- 1963 Sale of 250 million bushels of wheat to U.S.S.R.
- 1964 Kennedy Round of Tariff reductions began, under the General Agreement on Tariff and Trade.

- 1964 Minimum Import Price system applied in the United Kingdom.
- 1964 Export Flour Adjustment policy discontinued by the Canadian Wheat Board.
- 1964 Canadian Wheat Board Headquarters Building expanded.
- 1965 International Wheat Agreement extended by protocol for one year, without amendment.
- 1965 Asian wheat production exceeded two billion bushels for the first time.
- 1965 Grain Transportation Committee formed.
- 1966 International Wheat Agreement again extended by protocol for one year to July 31, 1967.
- 1966 Winter Storage Subsidy on feed grain in Eastern elevators cancelled.
- 1966 National Transportation Act S.C. 1966-67, C.69. An Act to define and implement a national transportation policy for Canada.
- 1966 Livestock Feed Assistance Act S.C. 1966, C.52. Canadian Livestock Feed Board established.
- 1967 Price and quantity obligations under the International Wheat Agreement ceased; administrative provisions extended until June 30, 1968.
- 1967 Federal Treasury guaranteed price equivalent of \$1.95 1/2 basis No. 1 Northern, Lakehead, on Canadian Wheat Board sales of wheat.
- 1967 International Grains Arrangement negotiated under the Kennedy Round and a special Rome Conference.
- 1968 Canada Grains Council formed.
- 1968 International Grains Arrangement came into effect July 1. World prices dropped below the arranged minimums; Canadian prices held.
- 1968 Prairie Grain Advance Payments Act amended to double the payment rate and to provide advances to cover cost of drying grain.
- 1969 Canadian prices dropped below the IGA arranged minimums.
- 1969 Canadian Wheat Board selling prices to Canadian buyers for domestic use held at the \$1.95 1/2 equivalent level. Two price system.
- 1969 Block Loading System instituted by the Canadian Wheat Board as a method of calling forward desired kinds and grades of grain.
- 1970 Canadian dollar unpegged.

- 1970      Boden Committee reviewed and reported on the delivery quota system for Western Canadian grain.
- 1970      Canadian Wheat Board inaugurated quota system aimed at making deliveries more selective and market-oriented, and at keeping adequate working space in country elevators.
- 1970      Wheat and Barley pools (1968-69) failed for the first time to make a final payment, and for the second time there was no final payment on an Oats pool (1968-69).
- 1970      Federal Government Wheat Acreage Reduction Program (Operation LIFT) in effect; wheat plantings down 50%.
- 1970      Delivery quota regulations changed to eliminate the unit quota and to move from specified acreage quota to seeded acreage (except for wheat) plus assigned acreage. Each permit holder allowed two delivery points.
- 1971      Quota regulations again changed to a completely assignable acreage base, and terminable quotas introduced.
- 1971      Canada Grain Act S.C. 1970-71, C.7; replaced the Board of Grain Commissioners for Canada with the Canadian Grain Commission.
- 1971      Prairie Grain Advance Payments Act amended.
- 1972      The three Prairie Wheat Pools purchased Federal Grain Ltd.
- 1972      Pioneer Grain Co. purchased the 25 licensed grain elevators of Inter-Ocean Grain Co.
- 1972      Manitoba Coarse Grain Marketing Commission established.
- 1972      Alberta Grain Commission established.
- 1972      Canadian Government Elevators inland terminals made alternate delivery points to all permit holders.
- 1973      Canadian Wheat Board opened delivery quotas for all grains on all shipping blocks effective June 4. This was the first time since July 18, 1966 that quotas for all grains were opened and was the earliest date since the 1961-62 crop year, when all quotas were opened April 12, 1962.

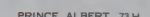






INVENTAIRE DES TERRES DU CANADA  
POSSIBILITÉS AGRICOLES DES SOLS

## PRINCE ALBERT 73 H



PRINCE ALBERT 73 H



